

AD-A075 347

GENERAL RESEARCH CORP MCLEAN VA

THE QUALIFIED MILITARY AVAILABLE PROJECTION SYSTEM. VOLUME II. --ETC(U)

SEP 78 D F HUCK, A CREWS, G P SICA

MDA903-75-C-0204

UNCLASSIFIED GRC-CR-224-VOL-2

F/O 15/5

NL

1 OF 3

AD  
A075347







AD A075347

report

7075260  
22

14  
GRC-CR-224 Vol-2

LEVEL III

DDC  
RECEIVED  
OCT 19 1979  
E

**The Qualified Military Available  
Projection System**

VOLUME II • FLOWCHARTS AND PROGRAM DOCUMENTATION

Final Rept. 1977-1978

By:

10 Daniel F. Huck, Project Director  
Alison Crews  
Geraldine P. Sica

This document has been approved  
for public release and sale; its  
distribution is unlimited.

Submitted to:

The Assistant Secretary of Defense  
(Manpower, Reserve Affairs & Logistics)  
The Pentagon  
Washington, D. C. 20301

12 236

11 September 1978

15 NDA 903-75-C-0204

THIS FILE COPY

**GENERAL  
RESEARCH**



CORPORATION

7655 Old Springhouse Road, McLean, Virginia 22101

89 10 18 027  
410 304 1/3

# report

**CR-224**

## **The Qualified Military Available Projection System**

**VOLUME II - FLOWCHARTS AND PROGRAM DOCUMENTATION**

**By:**

**Daniel F. Huck, Project Director  
Alison Crews  
Geraldine P. Sica**

**Submitted to:**

**The Assistant Secretary of Defense  
(Manpower, Reserve Affairs & Logistics)  
The Pentagon  
Washington, D. C. 20301**

**September 1978**



**GENERAL  
RESEARCH**



**CORPORATION**

**WESTGATE RESEARCH PARK, McLEAN, VIRGINIA 22101**

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER CR-224	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Flowcharts & Program Documentation (Vol. II)		5. TYPE OF REPORT & PERIOD COVERED Final Report 1977-78
		6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(s) Kenneth A. Goudreau Geraldine P. Sica Alison Crews		8. CONTRACT OR GRANT NUMBER(s) MDA903-75-C-0204
9. PERFORMING ORGANIZATION NAME AND ADDRESS General Research Corporation 7655 Old Springhouse Rd. McLean, Va. 22102		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
11. CONTROLLING OFFICE NAME AND ADDRESS OASD(MRA&L) Directorate for Accession & Retention Washington, D.C. 20310		12. REPORT DATE September 1978
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		13. NUMBER OF PAGES 238
		15. SECURITY CLASS. (of this report) Unclassified
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release, distribution unlimited		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Qualified Military Available (QMA) Projection Methodology; Mobility Estimates; Population Estimates; Fitness Estimates.		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) Volume I details the methodology used to estimate and project Qualified Military Available (QMA) populations by race, sex, education, mental group, and geographical boundaries. The QMA is the population of 17-21-year-old persons who have no prior military service and who are physically and mentally qualified for such service. Volume II contains detailed program and file documentation.		

DD FORM 1 JAN 73 1473 EDITION OF 1 NOV 65 IS OBSOLETE

Unclassified

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)



# CONTENTS

<u>Chapter</u>		<u>Page</u>
1	INTRODUCTION	1-1
	Idiosyncrasies in the Data Designation	1-1
	Flowcharting	1-2
2	PROGRAM DOCUMENTATION	2-1

Accession For	
NTIS GRA&I	<input checked="checked" type="checkbox"/>
DDC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	<input type="checkbox"/>
By _____	
Distribution/	
Availability Codes	
Dist	Avail and/or special
A	

## Chapter 1

### INTRODUCTION

Production of a Qualified Military Available (QMA) file to define potential enlistees for military service is a lengthy procedure. The system, developed by General Research Corporation (GRC), employs data from many diverse sources. Its modular concept allows flexibility and adaptability as new or improved data become available. All of this has resulted in a series of approximately 35 programs, most of which execute in less than 100K central memory and less than 2 minutes CPU. Some programs are executed many times; e.g., to develop growth rates for 1986, it is necessary to execute the program for annual growth rates 16 times. The system runs on the IBM 370/155 computer.

Volume I of this report contains an overview and the detailed methodology for the QMA Projection System.

#### IDIOSYNCRASIES IN DATA DESIGNATION

Many improvements have been made in the QMA system, resulting in strange "carry-overs" which appear in the flowcharts or listed JCL. An attempt will be made to list these.

SBTA - Use file with DSN=COUNTY.INFO.FILE, the first 120 characters of which are identical to the SBTA; the next 20 characters contain the county name. The record and block size may have to be changed in the JCL, as well as record length in programs.

FNW75.MASTER - Use file with DSN=UGA.DATA. The files are identical.

The new DSN was used to better describe the data itself.

MFWBO - The narrative text in Volume I uses this acronym to define the multi-purpose county information file. MFWBO is a combination of the COUNTY.INFO.FILE and data extracted from UGA.DATA. The DSN for MFWBO is COMPUT.CTY.POP.MFWBO.YR70.TRY1

## FLOWCHARTING

The following conventions for flowcharting were followed:



Input files designated with this connector (D0 on top) are basic data files that were delivered to MARDAC on magnetic tape. The numeric in the bottom part is an identifier.



Input files designated with this connector (D1 on top) are data files which were extracted from original data by GRC. These extractions are the most elementary form of this type of data delivered on magnetic tape to MARDAC. Programs to produce the extractions from original data are included in this system delivered to MARDAC. The numeric in the bottom part is an identifier.



Input/output files designated with a connector containing a numeric in its upper part are files created during the QMA development procedure. The numeric in the top refers to the chapter in Volume I of the document in which the phase creating this file is discussed. The numeric in the bottom is an identifier.

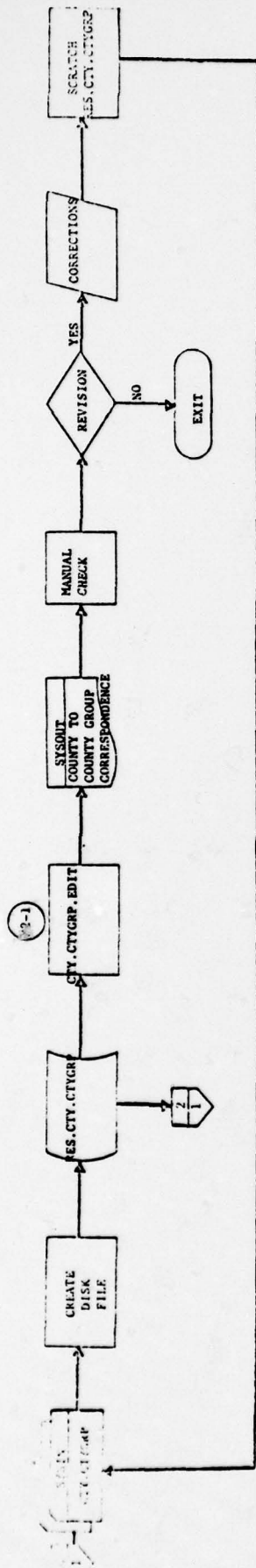


This sort of identifier designates programs in the QMA system delivered on magnetic tape to MARDAC. The letter "p" is a program identifier; the numeric immediately following "p" refers to the chapter in Volume I where this particular phase of development is discussed. The numeric following the dash is an identifier. An attempt has been made to follow a sequential order, i.e., no program will have an identifier larger than that of any program it must precede.

Chapter 2  
PROGRAM DOCUMENTATION

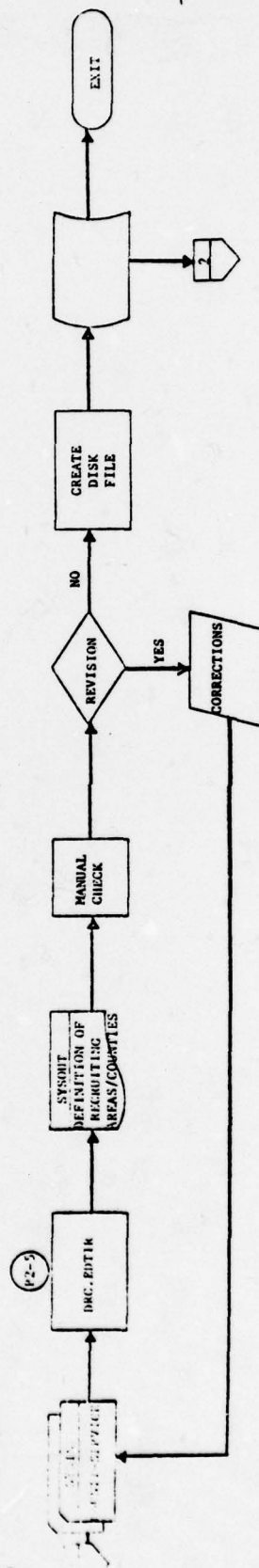


LINE FILE  
COUNTY GROUP VERSION 1



LINE DISK FILES

2-1



DISK OUTPUT

2	2	RES. AIRF. CTY
2	3	RES. NAVY. CTY
2	4	RES. MAR. CTY
2	5	RES. ARMY. CTY
2	6	RES. STATE. CTY



Program name: CTY.CTYGRP.EDIT

Program ID: P2-1

Purpose:

This program edits the county-county group correspondence for duplicate county codes, misspunched county codes (FIPS codes), and misspunched state codes. Any errors will be reported on an error file on SYSOUT.

Author: Unknown

Computer/OS: IBM 370/HASP

Language: FORTRAN G

Estimated Requirements:

Core: 100K

Tape Drives: 0

CPU Time: 30 SECONDS

Disk Drives: 1

Print Lines: 2000

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)

External

INITCP/CPOP/PRTCP (SOURCE)

LISTI

RDCNTY (SOURCE)

BNSCHI

Input Files:

FT10F001 RES.CTY.CTYGRP

Output Files:

SYSOUT - The print file will contain any error message generated during the run. In addition, it contains a file of summary information, e.g., number of counties, number of states, etc.

# FILE DOCUMENTATION

PROGRAM: P2-1 CTY.CTYGRP.EDIT

FILE: FT10F001

LRECL: 80

IO TYPE: INPUT

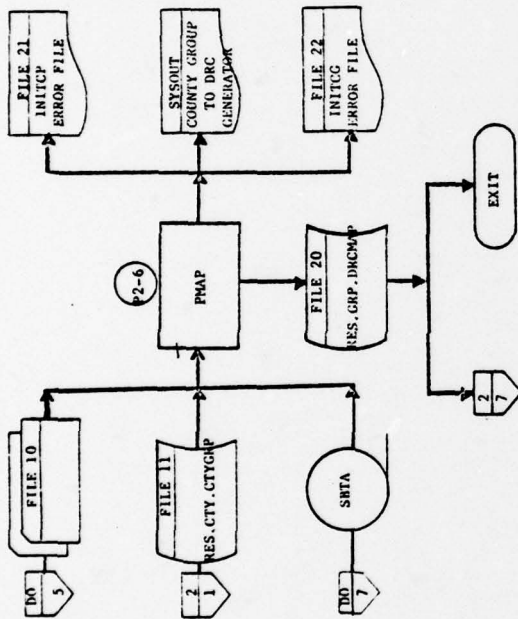
BLKSIZE: 7200

FILE TYPE: EBCDIC

RECFM: FB

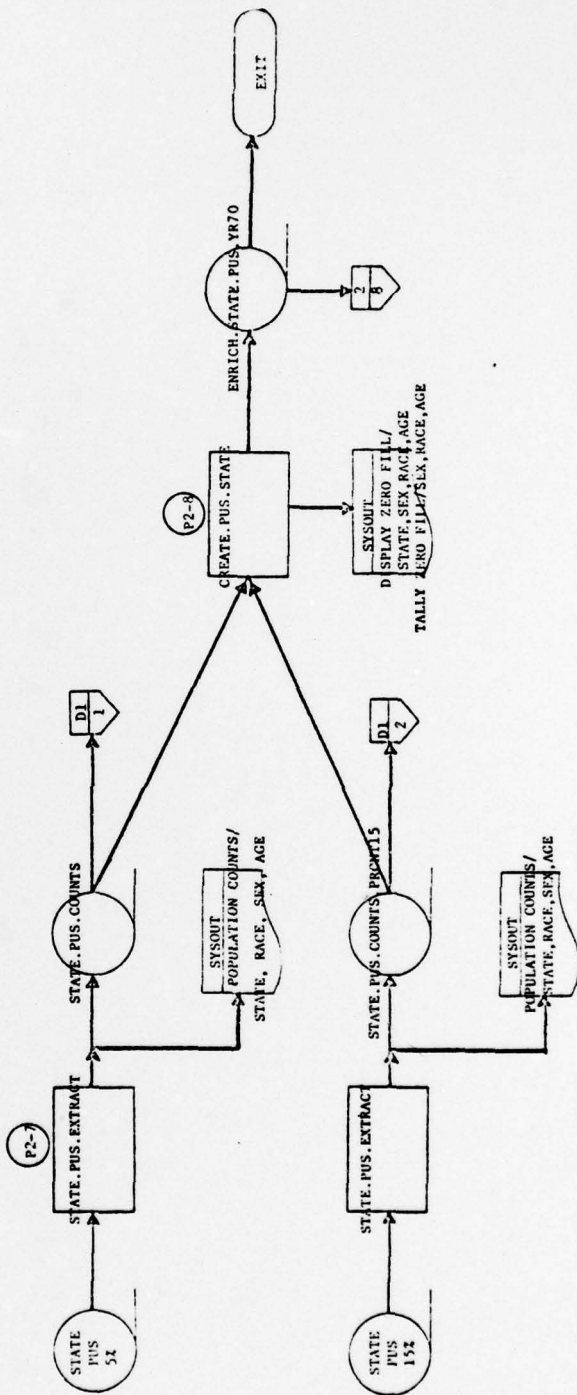
DSN: RES.CTY.CTYGRP

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-70	5(3X,I5,1X,I5)	COUNTY-COUNTY GROUP MAPPINGS (MAXIMUM OF 5 PER CARD)
e.g. 1-3		FILLER
4-8		COUNTY CODE
9		FILLER
10-14		COUNTY GROUP CODE



STATE PUS

2-4



Program name: PMAP

Program ID: P2-6

Purpose: This program generates a mapping of county groups onto DRCs. The program produces a tape and a print of this mapping. For each DRC, all the associated county groups and the proportion of each county group that lies within the DRC are included.

Author: Alison Crews

Computer/OS: IBM 370/HASP

Language: FORTRAN G

Estimated Requirements:

Core: 150K

Tape Drives: 1

CPU Time: 1 MIN

Disk Drives: 1

Print Lines: 1500

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)	External
DISKIT(S) UPAG(S) RESET(S)	ASTSI LISTI
REDO(S) RDDRC(S) ZROFIL(S)	FREAD BNSCHI
INITCP/CPOP/PRTCNT(O)RDCCG(S)	MVECR SORTIX
INITCG/CTOCG/PRTCCP(O)	

Input Files:

FT09F001	COUNTY.INFO.FILE <sup>1/</sup>
FT11F001	RES.CTY.CTYGRP
FT10F001	CARD INPUT ARMY DIRECTORY <sup>2/</sup>

Output Files:

FT20F001	RES.GRP.DRCMAP
FT21F001	ERROR FILE FOR INITCP
FT22F001	ERROR FILE FOR INITCG
SYSOUT	THIS FILE CONTAINS THE MAPPING INFORMATION FOR EACH DRC

COMMENTS: <sup>1/</sup> The present JCL calls for the SBTA file - use the COUNTY.INFO.FILE instead. This file contains the SBTA data as the first 120 characters.

<sup>2/</sup> This is RES.ARMV.CTY

The DRC code is 2 characters. To use this program for other services, this field and all associated input and output must be expanded to a field of 3 characters.



# FILE DOCUMENTATION

PROGRAM: P2-6 PMAP

FILE: FT09F001

LRECL: 140

IO TYPE: INPUT

BLKSIZE: 7000

FILE TYPE: EBCDIC

RECFM: FB

DSN: COUNTY.INFO.FILE

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	2X	FILLER
3-4	I2	FIPS STATE CODE
5-21	17A1	STATE NAME
22-23	A2	STATE ABBREVIATION
24-27	4X	FILLER
28-30	I3	COUNTY FIPS CODE
31-62	32A1	BASIC TRADING AREA (BTA) NAME
63-66	I4	BTA CODE
67-70	A4	TRADING AREA (TA) ABBREVIATION
71-72	2X	FILLER
73-75	I3	MAJOR TRADING AREA (MTA) CODE
76-85	I10	POPULATION COUNTS (TOTAL)
86-87	2X	FILLER
88-94	I7	POPULATION COUNTS (BLACK)
95-103	I8	LAND AREA
104-112	I9	QMA POPULATION
113-120	F8.2	POPULATION DENSITY
121-122	2X	FILLER
123-140	18A1	COUNTY NAME

# FILE DOCUMENTATION

PROGRAM: P2-6 PMAP

FILE: FT10F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 80

FILE TYPE: EBCDIC

RECFM: FB

DSN:

Column	Format(EBCDIC) Data Type(Binary)	Data Description
FIRST RECORD FOR DRC		
1-2	I2	DRC SEQUENCE NO.
3-5	A3	DRC CODE
6-7	A2	REGION CODE
8	1X	FILLER
9-20	3A4	DRC NAME
21-80	10(1X,15)	LIST OF FIPS CODES (MAXIMUM OF 10 PER CARD)

## CONTINUATION RECORDS FOR DRC

1-2	I2	DRC SEQUENCE NO.
3-9	7X	FILLER
10-14	I5	COUNTY FIPS
15	1X	FILLER
16-20	I5	COUNTY FIPS
21-80		SAME AS FIRST CARD

# FILE DOCUMENTATION

PROGRAM: P2-6 PMAP

FILE: FT11F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: EBCDIC

RECFM: FB

DSN: RES.CTY.CTYGRP

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-70	5(3X,I5,1X,I5)	COUNTY-COUNTY GROUP MAPPINGS (MAXIMUM OF 5 PER CARD)
e.g.		
1-3		FILLER
4-8		COUNTY CODE
9		FILLER
10-14		COUNTY GROUP CODE

# FILE DOCUMENTATION

PROGRAM: P2-6 PMAP

FILE: FT20F001

IO TYPE: OUTPUT

FILE TYPE: EBCDIC

DSN: RES.GRP.DRCMAP

LRECL: 80

BLKSIZE: 7200

RECFM: FB

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	I2	DRC SEQUENCE NO.
3	1X	FILLER
4-5	A2	DRC CODE
6-8	3X	FILLER
9-20	3A4	DRC NAME
21-22	2X	FILLER
23-27	I5	COUNTY GROUP CODE
28	1X	FILLER
29-35	F7.5	PROPORTION OF CTY GRP IN DRC
36-37	2X	FILLER
38-42	I5	CTY GROUP CODE
43	1X	FILLER
44-50	F7.5	PROPORTION OF CTY GRP IN DRC
51-52	2X	FILLER
53-57	I5	CTY GROUP CODE
58	1X	FILLER
59-65	F7.5	PROPORTION OF CTY GRP IN DRC
66-67	2X	FILLER
68-72	I5	CTY GROUP CODE
73	1X	FILLER
74-80	F7.5	PROPORTION OF CTY GRP IN DRC



Program name: STATE.PUS.EXTRACT

Program ID: P2-7

Purpose: This program extracts population data by state, sex, race and age from state PUS samples. It also prints a report of these population counts. Data from the 5% and the 15% samples are extracted in separate computer runs.

Author: Unknown

Computer/OS: IBM 360-370/Hasp

Language: FORTRAN G

Estimated Requirements:

Core: 100 K

Tape Drives: 2

CPU Time: 14 min

Disk Drives: 1

Print Lines: 2500

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)

External

FREAD  
LEAVE  
FWRITE

IAGE ISEX  
IRACE ISTATE  
IRTP

Input Files:

FT10F001 STATE.PUS.EXTRACT FILE (15%)

FT10F001 STATE.PUS1970 (5%)

Output Files:

FT20F001 STATE.PUS.COUNTS.PRCNT15 (15%)

FT20F001 STATE.PUS.COUNTS (5%)

Comments: This program is used for calculating state data for both the 15% and 5% samples.

# FILE DOCUMENTATION

PROGRAM: P2-7 STATE.PUS.EXTRACT

FILE: FT10F001

LRECL: 120

IO TYPE: INPUT

BLKSIZE: 27000

FILE TYPE: BINARY

RECFM: FB

DSN: PUS70101....PUS70120 (15% Sample)  
STATE.PUS1970 (5% Sample)

Format(EBCDIC)

Column

Data Type(Binary)

Data Description

## RECORD TYPE 1: HOUSING RECORD

1 - 6

INTEGER

FILLER

7 - 8

INTEGER

FIPS STATE CODE

9 - 120

INTEGER

FILLER

## RECORD TYPE 3: PERSON RECORD

1 - 5

INTEGER

FILLER

6

SEX (0=MALE,1=FEMALE)

7

RACE (0=WHITE,1=BLACK,2-9=OTHER)

8

FILLER

9 - 11

AGE

12

QUARTER OF BIRTH

(0 = FIRST QUARTER

1 = SECOND QUARTER

2 = THIRD QUARTER

3 = FOURTH QUARTER)

13 - 120

INTEGER

FILLER

# FILE DOCUMENTATION

PROGRAM: P2-7 STATE.PUS.EXTRACT  
 FILE: FT20F001 LRECL: 112  
 IO TYPE: OUTPUT BLKSIZE: 4480  
 FILE TYPE: BINARY RECFM: FB  
 DSN: STATE.PUS.COUNTS.PRCNT15 (15% sample)

Column	Format (EBCDIC) Data Type (Binary)	Data Description
1 - 4	↑ INTEGER ↓	FIPS STATE CODE
5 - 8		SEX CODE (1=MALE, 2=FEMALE)
9 - 12		RACE CODE (1=WHITE, 2=BLACK, 3=OTHER)
13 - 16		POPULATION COUNT FOR LT 1 YR OLD
17 - 20		FOR 1
21 - 24		2
25 - 28		3
29 - 32		4
33 - 36		5
37 - 40		6
41 - 44		7
45 - 48		8
49 - 52		9
53 - 56		10
57 - 60		11
61 - 64		12
65 - 68		13
69 - 72		14
73 - 76		15
77 - 80		16
81 - 84		17
85 - 88		18
89 - 92		19
93 - 96		20
97 - 100		21
101 - 104		22
105 - 108		23
109 - 112		24

# FILE DOCUMENTATION

PROGRAM: P2-7 STATE.PUS.EXTRACT  
 FILE: FT20F001 LRECL: 112  
 IO TYPE: OUTPUT BLKSIZE: 4480  
 FILE TYPE: BINARY RECFM: FB  
 DSN: STATE.PUS.COUNTS (5% sample)

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 4	↑ INTEGER ↓	FIPS STATE CODE
5 - 8		SEX CODE (1=MALE,2=FEMALE)
9 - 12		RACE CODE (1=WHITE,2=BLACK,3=OTHER)
13 - 16		POPULATION COUNT FOR LT 1 YR OLD
17 - 20		FOR 1
21 - 24		2
25 - 28		3
29 - 32		4
33 - 36		5
37 - 40		6
41 - 44		7
45 - 48		8
49 - 52		9
53 - 56		10
57 - 60		11
61 - 64		12
65 - 68		13
69 - 72		14
73 - 76		15
77 - 80		16
81 - 84		17
85 - 88		18
89 - 92		19
93 - 96		20
97 - 100		21
101 - 104		22
105 - 108		23
109 - 112		24



Program name: CREATE.PUS.STATE

Program ID: p2-8

Purpose:

This program merges the 5% and 15% sample PUS data for each state by age, sex and race.

Author: Alison Crews

Computer/OS: IBM 360-370/Hamp

Language: FORTRAN G

Estimated Requirements:

Core: 100 K

Tape Drives: 3

CPU Time: 10 sec

Disk Drives: 1

Print Lines: 1200

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)

External

FREAD

LEAVE

FWRITE

Input Files:

FT10P001 STATE.PUS.COUNTS (5%)

FT11P001 STATE.PUS.COUNTS.PRCNT 15.SORTD (15%)

Output Files:

FT20P001 ENRICH.STATE.PUS.YR70

# FILE DOCUMENTATION

PROGRAM: P2-8 CREATE.PUS.STATE

FILE: FT11F001

LRECL: 112

IO TYPE: INPUT

BLKSIZE: 4480

FILE TYPE: BINARY

RECFM: FB

DSN: STATE.PUS.COUNTS.PRCNT15.SORTD

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 4	INTEGER	FIPS STATE CODE
5 - 8		SEX CODE(1=MALE,2=FEMALE)
9 - 12		RACE CODE(1=WHITE,2=BLACK,3=OTHER)
13 - 16		POPULATION COUNT FOR LT 1 YR OLD
17 - 20		FOR 1 YR OLD
21 - 24		2
25 - 28		3
29 - 32		4
33 - 36		5
37 - 40		6
41 - 44		7
45 - 48		8
49 - 52		9
53 - 56		10
57 - 60		11
61 - 64		12
65 - 68		13
69 - 72		14
73 - 76		15
77 - 80		16
81 - 84		17
85 - 88		18
89 - 92		19
93 - 96		20
97 - 100		21
101 - 104		22
105 - 108		23
109 - 112		24

# FILE DOCUMENTATION

PROGRAM: P2-8 CREATE.PUS.STATE

FILE: FT10F001

LRECL: 112

IO TYPE: INPUT

BLKSIZE: 4480

FILE TYPE: BINARY

RECFM: FB

DSN: STATE.PUS.COUNTS

Column	Format (EBCDIC) Data Type (Binary)	Data Description
1 - 4	INTEGER ↑ ↓	FIPS STATE CODE
5 - 8		SEX CODE (1=MALE, 2=FEMALE)
9 - 12		RACE CODE (1=WHITE, 2=BLACK, 3=OTHER)
13 - 16		POPULATION COUNT FOR LT 1 YR OLD
17 - 20		FOR 1 YR OLD
21 - 24		2
25 - 28		3
29 - 32		4
33 - 36		5
37 - 40		6
41 - 44		7
45 - 48		8
49 - 52		9
53 - 56		10
57 - 60		11
61 - 64		12
65 - 68		13
69 - 72		14
73 - 76		15
77 - 80		16
81 - 84		17
85 - 88		18
89 - 92		19
93 - 96		20
97 - 100		21
101 - 104		22
105 - 108		23
109 - 112		24

# FILE DOCUMENTATION

PROGRAM: P2-8 CREATE.PUS.STATE

FILE: FT20F001

LRECL: 112

IO TYPE: OUTPUT

BLKSIZE: 4480

FILE TYPE: BINARY

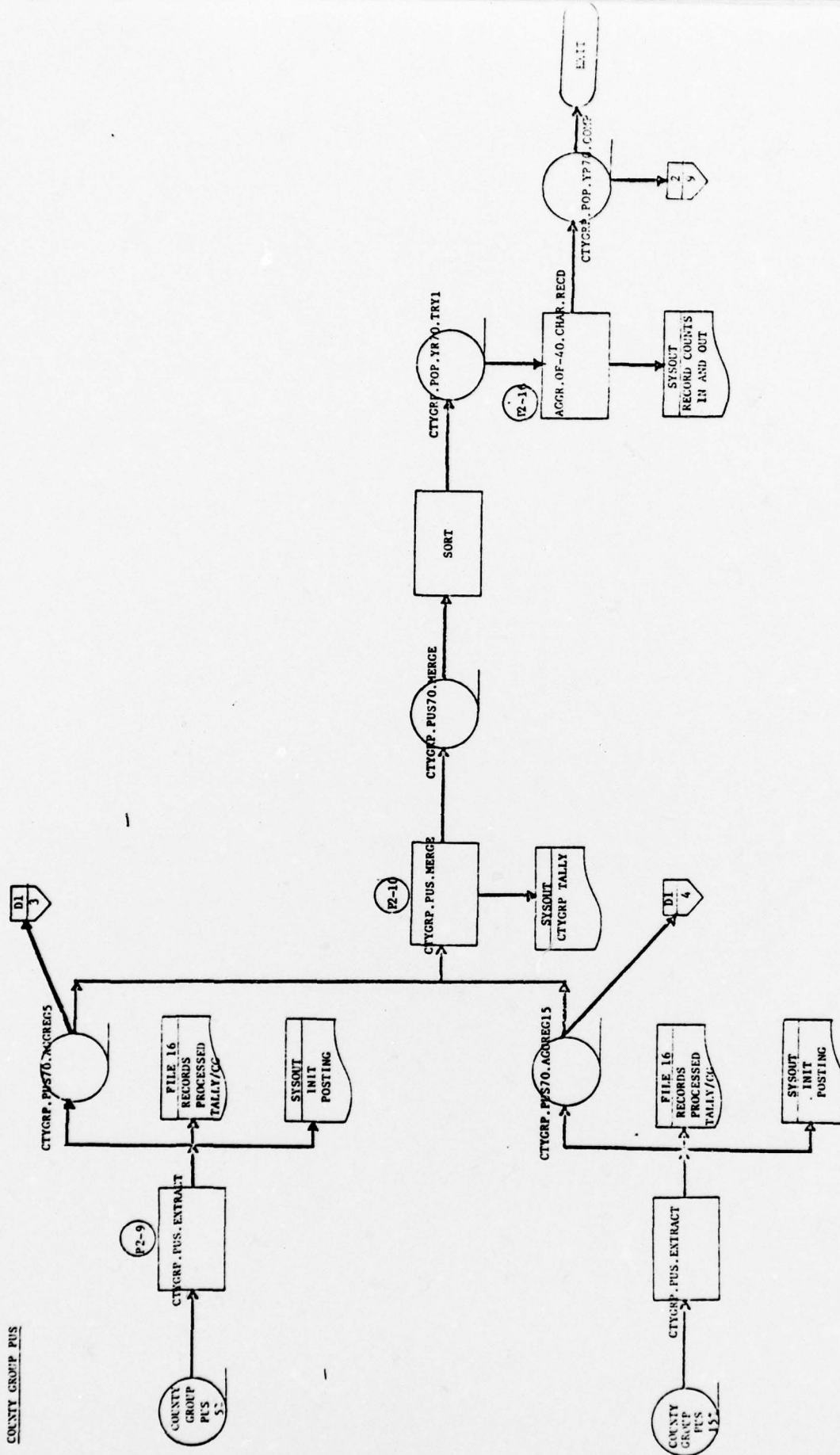
RECFM: FB

DSN: ENRICH.STATE.PUS.YR70

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 4	↑ INTEGER ↓	FIPS STATE CODE
5 - 8		SEX CODE(1=MALE,2=FEMALE)
9 - 12		RACE CODE(1=WHITE,2=BLACK,3=OTHER)
13 - 16		POPULATION COUNT FOR LT 1 YR OLD
17 - 20		FOR 1 YR OLD
21 - 24		2
25 - 28		3
29 - 32		4
33 - 36		5
37 - 40		6
41 - 44		7
45 - 48		8
49 - 52		9
53 - 56		10
57 - 60		11
61 - 64		12
65 - 68		13
69 - 72		14
73 - 76		15
77 - 80		16
81 - 84		17
85 - 88		18
89 - 92		19
93 - 96		20
97 - 100		21
101 - 104		22
105 - 108		23
109 - 112		24



COUNTY GROUP PUS



Program name: CTYGRP.PUS.EXTRACT

Program ID: P2-9

Purpose: This program extracts county group 5% and 15% samples of PUS data and aggregates key data within each region. Extraction of each sample is done in a separate computer run.

Author: Unknown

Computer/OS: IBM 360-370/HASP

Language: FORTRAN H

Estimated Requirements:

Core: 200K

Tape Drives: 2

CPU Time: 22 MIN

Disk Drives: 1

Print Lines: 5000

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)  
INIT/POST/FLUSH/ENDIT/PRTST (SOURCE)  
WRTOUT/CLSOUT (SOURCE)

External  
FREAD  
FWRITE  
LEAVE

Input Files:

FT10F001 PUS70.EXT501 (5%)  
FT10F001 PUS70.EXT201 (15%)

Output Files:

FT20F001 CTYGRP.PUS70.AGGREG5 (5%)  
FT20F001 CTYGRP.PUS70.AGGREG15 (15%)  
FT16F001 INTERMEDIATE RESULT PRINT FILE

COMMENTS: This program is used for calculating regional data for both the 5% and 15% samples.

Program deck is set to extract from 5% file. To extract from 15% file, change statement 75 to comment and change preceding comment to an instruction.

# FILE DOCUMENTATION

PROGRAM: P2-9 CTYGRP.PUS.EXTRACT

FILE: FT10F001

LRECL: 146

IO TYPE: INPUT

BLKSIZE: 4380

FILE TYPE: EBCDIC

RECFM: FB

DSN: PUS70.EXT501....PUS70.EXT530

PUS70.EXT201....PUS70.EXT230

Column	Format (EBCDIC) Data Type (Binary)	Data Description
1-6	6A1	FILLER
7-11	5A1	COUNTY GROUP CODE (REGION)
12-73	62A1	FILLER
74-75	2A1	INSTITUTIONALIZED CODE (1-8 = YES)
76	A1	SEX 0=MALE 1=FEMALE
77	A1	RACE 0=WHITE 1=NEGRO 2-8=OTHER
78	A1	FILLER
79-81	3A1	AGE 0=UNDER 1 YR 1-99=1-99 100=100 OR OVER
82	A1	QUARTER OF BIRTH 0=FIRST QUARTER 1=SECOND QUARTER 2=THIRD QUARTER 4=FOURTH QUARTER
83-86	4A1	FILLER
87-88	2A1	HIGHEST GRADE COMPLETED
89	A1	IN SCHOOL CODE 0=NOW ATTENDING 1=FINISHED GRADE 2=DID NOT FINISH 3=NA
90-100	11A1	FILLER
101	A1	IN MILITARY CODE (4=YES)
102	A1	FILLER
103	A1	VETERAN CODE (5% SAMPLE ONLY) 0=YES 1=NO 2=NA
104-119	16A1	FILLER
120-122	3A1	INCOME (999 or 998=0)
123-134	12A1	FILLER
135	A1	VETERAN CODE (15% SAMPLE ONLY) 0=YES 1=NO 2=NA
136-146	11A1	FILLER

# FILE DOCUMENTATION

PROGRAM: P2-9 CTYGRP.PUS.EXTRACT

FILE: FT20F001

LRECL: 40

IO TYPE: OUTPUT

BLKSIZE: 7200

FILE TYPE: BINARY

RECFM: FB

DSN: CTYGRP.PUS70.AGGREG5(5%)

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	INTEGER	REGION CODE
3-4		SEX CODE 1=MALE, 2=FEMALE
5-6		RACE CODE 1=WHITE 2=NEGRO 3=OTHER
7-8		AGE CODE (17-24 YRS)
9-10		HIGHEST GRADE COMPLETED
11-12		IN SCHOOL CODE
13-14		INSTITUTIONALIZED CODE 0=NO 1=YES
15-16		IN MILITARY CODE 0=NO 1=YES
17-18		VETERAN CODE
19-20		EMPLOYED/UNEMPLOYED CODE
21-22		SAMPLE (5% or 15%)
23-24		FILLER
25-28		INCOME (# WHO HAD INCOME)
29-32		INCOME (AMOUNT OF INCOME)
33-36	INTEGER	COUNT
37-40	REAL	WEIGHT



## I

**I**

1

LRECL: 40

1

BLKSIZE: 7200

•

RECEN: FB

1

Program name: CTYGRP.PUS.MERGE

Program ID: P2-10

Purpose:

This program merges the 5% and 15% sample PUS data by county group.

Author: UNKNOWN

Computer/OS: IBM 360-370/Hasp

Language: FORTRAN C

Estimated Requirements:

Core: 100 K

Tape Drives: 3

CPU Time: 10 min (est)

Disk Drives: 1

Print Lines: 1000

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)

External

FREAD

LEAVE

FWRITE

Input Files:

FT10F001 CTYGRP.PUS70.AGGREG15

FT11F001 CTYGRP.PUS70.AGGREG5

Output Files:

FT20F001 CTYGRP.PUS70.MERGE

# FILE DOCUMENTATION

PROGRAM: P2-10 CTYGRP.PUS.MERGE

FILE: FT10F001 (15%)

LRECL: 40

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: BINARY

RECFM: FB

DSN: CTYGRP.PUS70.AGGREG15 (15%)

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 2	INTEGER	REGION CODE
3 - 4		SEX CODE
5 - 6		RACE CODE
7 - 8		AGE CODE
9 - 10		HIGHEST GRADE COMPLETED
11 - 12		IN SCHOOL CODE
13 - 14		INSTITUTIONALIZED CODE
15 - 16		IN MILITARY CODE
17 - 18		VETERAN CODE
19 - 20		EMPLOYED/UNEMPLOYED CODE
21 - 22		SAMPLE (5% or 15%)
23 - 24		FILLER
25 - 28		INCOME (# who had income)
29 - 32		INCOME (amount of income)
33 - 36	INTEGER	COUNT
37 - 40	REAL	WEIGHT

# FILE DOCUMENTATION

PROGRAM: P2-10 CTYGRP.PUS.MERGE

FILE: FT11F001 ( 5%)

LRECL: 40

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: BINARY

RECFM: FB

DSN: CTYGRP.PUS70.AGGREG5 ( 5%)

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 2	INTEGER	REGION CODE
3 - 4	↑ ↓	SEX CODE
5 - 6		RACE CODE
7 - 8		AGE CODE
9 - 10		HIGHEST GRADE COMPLETED
11 - 12		IN SCHOOL CODE
13 - 14		INSTITUTIONALIZED CODE
15 - 16		IN MILITARY CODE
17 - 18		VETERAN CODE
19 - 20		EMPLOYED/UNEMPLOYED CODE
21 - 22		SAMPLE (5% or 15%)
23 - 24		FILLER
25 - 28		INCOME (# who had income)
29 - 32		INCOME (amount of income)
33 - 36	INTEGER	COUNT
37 - 40	REAL	WEIGHT



# FILE DOCUMENTATION

PROGRAM: P2-10 CTYGRP.PUS.MERGE  
 FILE: FT20F001 LRECL: 40  
 IO TYPE: OUTPUT BLKSIZE: 7200  
 FILE TYPE: BINARY RECFM: FB  
 DSN: CTYGRP.PUS70.MERGE

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 2	INTEGER	REGION CODE
3 - 4		SEX CODE
5 - 6		RACE CODE
7 - 8		AGE CODE
9 - 10		HIGHEST GRADE COMPLETED
11 - 12		IN SCHOOL CODE
13 - 14		INSTITUTIONALIZED CODE
15 - 16		IN MILITARY CODE
17 - 18		VETERAN CODE
19 - 20		EMPLOYED/UNEMPLOYED CODE
21 - 22		SAMPLE (5% or 15%)
23 - 24		FILLER
25 - 28		INCOME (# who had income)
29 - 32		INCOME (amount of income)
33 - 36	INTEGER	COUNT
37 - 40	REAL	WEIGHT

Program name: AGGR.OP-40.CHAR.RECD

Program ID: P2-16

Purpose:

The purpose of this program is to aggregate the 5X and 15X county group PUS data.

Author: Unknown

Computer/OS: IBM 360-370/ Haap

Language: FORTRAN G

Estimated Requirements:

Core: 100 K

Tape Drives: 2

CPU Time: 2 min

Disk Drives: 1

Print Lines: 1000

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)

External

FREAD

LEAVE

FWRITE

Input Files:

FT10F001 CTYGRP.POP.YR70.TRY1

Output Files:

FT20F001 CTYGRP.POP.YR70.COMP

# FILE DOCUMENTATION

PROGRAM: P2-16 AGGR.OF-40.CHAR.RECD  
 FILE: FT10F001 LRECL: 40  
 IO TYPE: INPUT BLKSIZE: 7200  
 FILE TYPE: BINARY RECFM: FB  
 DSN: CTYGRP.POP.YR70.TRY1

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 2	INTEGER	REGION CODE
3 - 4		SEX CODE
5 - 6		RACE CODE
7 - 8		AGE CODE
9 - 10		HIGHEST GRADE COMPLETED
11 - 12		IN SCHOOL CODE
13 - 14		INSTITUTIONALIZED CODE
15 - 16		IN MILITARY CODE
17 - 18		VETERAN CODE
19 - 20		EMPLOYED/UNEMPLOYED CODE
21 - 22		SAMPLE (5% or 15%)
23 - 24		FILLER
25 - 28		INCOME (# who had income)
29 - 32		INCOME (amount of income)
33 - 36	INTEGER	COUNT
37 - 40	REAL	WEIGHT

# FILE DOCUMENTATION

PROGRAM: P2-16 AGGR.OF--40.CHAR.RECD

FILE: FT20F001

LRECL: 40


IO TYPE: OUTPUT

BLKSIZE: 7200

FILE TYPE: BINARY

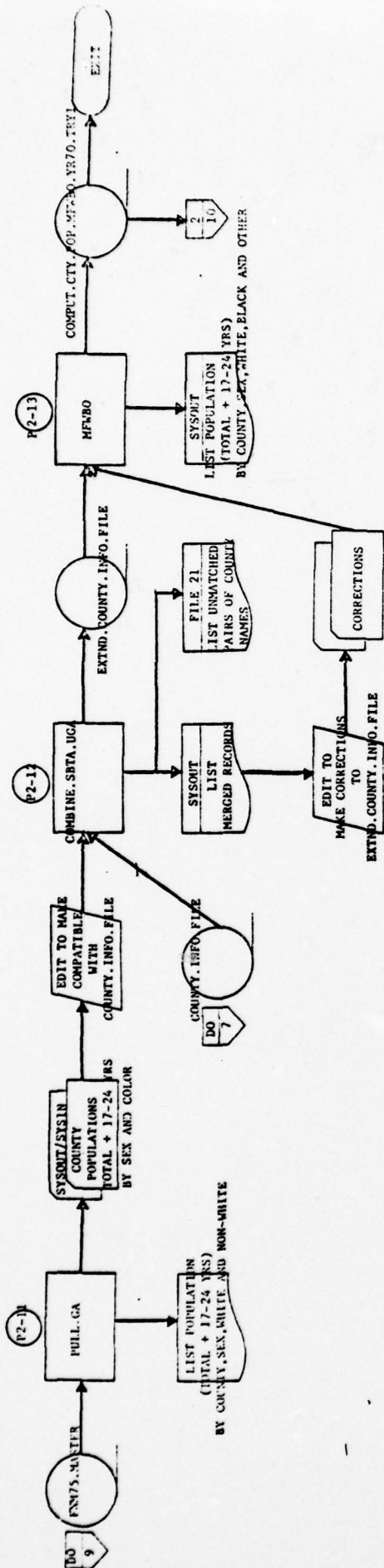
RECFM: FB

DSN: CTYGRP.POP.YR70.COMP

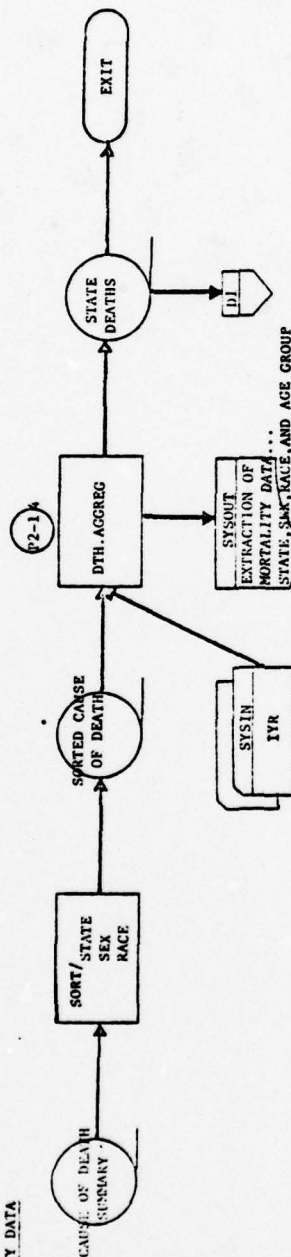
Column	Format (EBCDIC) Data Type (Binary)	Data Description
1 - 2	INTEGER	REGION CODE
3 - 4		SEX CODE
5 - 6		RACE CODE
7 - 8		AGE CODE
9 - 10		HIGHEST GRADE COMPLETED
11 - 12		IN SCHOOL CODE
13 - 14		INSTITUTIONALIZED CODE
15 - 16		IN MILITARY CODE
17 - 18		VETERAN CODE
19 - 20		EMPLOYED/UNEMPLOYED CODE
21 - 22		SAMPLE (5% or 15%)
23 - 24		FILLER
25 - 28		INCOME (# who had income)
29 - 32		INCOME (amount of income)
33 - 36	INTEGER	COUNT
37 - 40	REAL	WEIGHT



# DEVELOPMENT OF MFMRO FILE



## EXTRACTION OF MORTALITY DATA



IVR	OUTPUT TAPES
1970	D1 STATE, DEATHS, YR1970 5
1972	D1 STATE, DEATHS, YR1972 6
1974	D1 STATE, DEATHS, YR1974 7

Program name: PULLGA

Program ID: P2-11

Purpose: The purpose of this program is to list and punch cards containing population data from the UGA file for the total and 17-24 yr. olds by county, white and non-white, and sex.

Author: Alison Crews

Computer/OS: IBM 360-370/HASP

Language: FORTRAN G

Estimated Requirements:

Core: 100K

Tape Drives: 1

CPU Time: 1 MIN

Disk Drives: 1

Print Lines: 3150

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)

External

FREAD

ASTSI

Input Files:

FT10F001 FNM75.MASTER

Output Files:

FT07F001 COUNTY AND STATE POPULATION FOR TOTAL AND 17-24 YR. OLDS, WHITE AND NON-WHITES BY SEX (PUNCHED CARDS)

FT21F001 POPULATION REPORT FOR TOTAL AND 17-24 YR. OLDS BY COUNTY, WHITE AND NON-WHITE, AND SEX.

COMMENT: FNM75.MASTER is same file as UGA.DATA

# FILE DOCUMENTATION

PROGRAM: P2-11 PULL.GA

FILE: FT10F001

LRECL: 7604

IO TYPE: INPUT

BLKSIZE: 7604

FILE TYPE: EBCDIC

RECFM: FB

DSN: FNM75.MASTER

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 1	ALPHA	UGA LEVEL NUMBER 1 = STATE OR COUNTY 2 = DIVISION 3 = REGION 4 = UNITED STATES
2 - 3		UGA LEVEL CODE
4 - 6		UGA COUNTY NUMBER
7 - 26		FILLER
27 - 36		COUNTY NAME
37 - 1889	ALPHA	FILLER
1890 - 1898		TOTAL POPULATION-WHITE-MALES
1899 - 1907		TOTAL POPULATION-WHITE-FEMALES
1908 - 1916		FILLER
1917 - 1925		TOTAL POPULATION-NON-WHITE MALES
1926 - 1934		TOTAL POPULATION-NON-WHITE FEMALES
1935 - 2213		FILLER
2214 - 2222		POPULATION, 15-19 YRS-WHITE MALES
2223 - 2231		POPULATION, 15-19 YRS-WHITE FEMALES
2232 - 2240		FILLER
2241 - 2249		POPULATION, 15-19 YRS-NON-WHITE MALES
2250 - 2258		POPULATION, 15-19 YRS-NON-WHITE FEMALES
2259 - 2294		FILLER
2295 - 2303		POPULATION, 20-24 YRS-WHITE MALES
2304 - 2312		POPULATION, 20-24 YRS-WHITE FEMALES
2313 - 2321		FILLER
2322 - 2330		POPULATION, 20-24 YRS-NON-WHITE MALES
2331 - 2339		POPULATION, 20-24 YRS-NON-WHITE FEMALES
2340 - 7604	ALPHA	FILLER

# FILE DOCUMENTATION

PROGRAM: P2-11 PULL.GA

FILE: FT07F001

LRECL: 80

IO TYPE: OUTPUT

BLKSIZE: 80

FILE TYPE: BCD

RECFM: FB

DSN:

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 1	ALPHA	UGA LEVEL NUMBER
2 - 3	↑	. UGA LEVEL ID NUMBER
4 - 6	↓	UGA COUNTY NUMBER
7 - 16	ALPHA	COUNTY NAME
17 - 24	INTEGER	TOTAL POPULATION-WHITE MALES
25 - 32	↑	TOTAL POPULATION-NON-WHITE MALES
33 - 40	↓	TOTAL POPULATION-WHITE FEMALES
41 - 48	↑	TOTAL POPULATION-NON-WHITE FEMALES
49 - 56	↓	POPULATION, AGES 17-24 WHITE MALES
57 - 64	↑	POPULATION, AGES 17-24 NON-WHITE MALES
65 - 72	↓	POPULATION, AGES 17-24 WHITE FEMALES
73 - 80	INTEGER	POPULATION, AGES 17-24 NON-WHITE FEMALES



Program name: COMBINE.SBTA.UCA

Program ID: P2-12

Purpose:

The purpose of this program is to merge UCA and SBTA (COUNTY.INFO) data. The match is attempted through the 10 characters of the county name.

Author: Alison Crews

Computer/OS: IBM 360-370/HASP

Language: FORTRAN G

Estimated Requirements:

Core: 100 K

Tape Drives: 2

CPU Time: 2 MIN

Disk Drives: 0

Print Lines: 6250

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)

External

Input Files:

FT05F001 COUNTY AND STATE POPULATION FOR TOTAL AND 17-24  
YEAR OLDS, WHITE AND NON-WHITE, BY SEX (PUNCHED  
CARDS)

FT10F001 COUNTY.INFO.FILE

Output Files:

FT06F001 LIST MERGED COUNTY NAME AND COUNTY/STATE  
POPULATION REPORT

FT20F001 EXTND.COUNTY.INFO.FILE

FT21F001 UNMATCHED PAIRS OF COUNTY NAMES REPORT

COMMENT: SBTA and COUNTY.INFO FILES ARE IDENTICAL CC1-120. COUNTY.  
INFO.FILE HAS COUNTY NAME APPENDED CC121-140 and HAS BEEN  
REFERRED TO BY OLDER AND SHORTER FILE DESIGNATION (SBTA).

# FILE DOCUMENTATION

PROGRAM: P2-12 COMBINE.SBTA.UGA

FILE: FT05F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 80

FILE TYPE: BCD

RECFM: FB

DSN:

Column	Format (EBCDIC) Data Type (Binary)	Data Description
1 - 1	ALPHA	UGA LEVEL NUMBER
2 - 3	↑	UGA LEVEL ID NUMBER
4 - 6	↓	UGA COUNTY NUMBER
7 - 16	ALPHA	COUNTY NAME
17 - 24	INTEGER	TOTAL POPULATION-WHITE MALES
25 - 32	↑	TOTAL POPULATION-NON-WHITE MALES
33 - 40	↓	TOTAL POPULATION-WHITE FEMALES
41 - 48	↑	TOTAL POPULATION-NON-WHITE FEMALES
49 - 56	↓	POPULATION, AGES 17-24 WHITE MALES
57 - 64	↑	POPULATION, AGES 17-24 NON-WHITE MALES
65 - 72	↓	POPULATION, AGES 17-24 WHITE FEMALES
73 - 80	INTEGER	POPULATION, AGES 17-24 NON-WHITE FEMALES

# FILE DOCUMENTATION

PROGRAM: P2-12 COMBINE.SBTA.UGA

FILE: FT10F001

LRECL: 140

IO TYPE: INPUT

BLKSIZE: 7000

FILE TYPE: EBCDIC

RECFM: FB

DSN: COUNTY.INFO.FILE

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 2	2X	FILLER
3 - 4	I2	FIPS. STATE CODE
5 - 21	17A1	STATE NAME
22 - 23	A2	STATE ABBREVIATION
24 - 27	4X	FILLER
28 - 30	I3	COUNTY FIPS CODE
31 - 62	32A1	BASIC TRADING AREA (BTA)NAME
63 - 66	I4	BTA CODE
67 - 70	A4	TRADING AREA (TA) ABBR
71 - 72	2X	FILLER
73 - 75	I3	MAJOR TRADING AREA (MTA) CODE
76 - 85	I10	POPULATION COUNTS (TOTAL)
86 - 87	2X	FILLER
88 - 94	I7	POPULATION COUNTS (BLACK)
95 - 103	I8	LAND AREA
104 - 112	I9	QMA POPULATION
113 - 120	F8.2	POPULATION DENSITY
121 - 122	2X	FILLER
123 - 140	18A1	COUNTY NAME

# FILE DOCUMENTATION

PROGRAM: P2-12 COMBINE.SBTA.UGA

FILE: FT20F001

LRECL: 220

IO TYPE: OUTPUT

BLKSIZE: 6600

FILE TYPE: EBCDIC

RECFM: FB

DSN: EXTND.COUNTY.INFO.FILE

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 2	2X	FILLER
3 - 4	I2	FIPS STATE CODE
5 - 21	17A1	STATE NAME
22 - 23	A2	STATE ABBREVIATION
24 - 27	4X	FILLER
28 - 30	I3	COUNTY FIPS CODE
31 - 62	32A1	BASIC TRADING AREA (BTA) NAME
63 - 66	I4	BTA CODE
67 - 70	A4	TRADING AREA (TA) ABBR
71 - 72	2X	FILLER
73 - 75	I3	MAJOR TRADING AREA (MTA) CODE
76 - 85	I10	POPULATION COUNTS (TOTAL)
86 - 87	2X	FILLER
88 - 94	I7	POPULATION COUNTS (BLACK)
95 - 103	I8	LAND AREA
104 - 112	I9	QMA POPULATION
113 - 120	F8.2	POPULATION DENSITY
121 - 122	2X	FILLER
123 - 140	18A1	COUNTY NAME
141 - 141	ALPHA	UGA LEVEL NUMBER
142 - 143	↑	UGA LEVEL ID NUMBER
144 - 146	↓	UGA COUNTY NUMBER
147 - 156	ALPHA	COUNTY NAME
157 - 164	INTEGER	TOTAL POPULATION WHITE MALES
165 - 172	↑	TOTAL POPULATION NON-WHITE MALES
173 - 180	↓	TOTAL POPULATION WHITE FEMALES
181 - 188	↑	TOTAL POPULATION NON-WHITE FEMALES
189 - 196	↓	POPULATION, AGES 17-24 WHITE MALES
197 - 204	↑	POPULATION, AGES 17-24 NON-WHITE MALES
205 - 212	↓	POPULATION, AGES 17-24 WHITE FEMALES
213 - 220	INTEGER	POPULATION, AGES 17-24 NON-WHITE FEMALES



Program name: MFWBO

Program ID: P2-13

Purpose:

This program computes county populations for males, females, white, black and other using both SSTA and UGA data.

Author: Alison Crews

Computer/OS: IBM 360-370/HASP

Language: FORTRAN G

Estimated Requirements:

Core: 100 K

Tape Drives: 2

CPU Time: 2 MIN

Disk Drives: 0

Print Lines: 3200

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)

External

Input Files:

FT05F001 CORRECTIONS TO EXTENDED COUNTY INFORMATION FILE  
(PUNCHED CARDS)

FT10F001 EXTND.COUNTY.INFO.FILE

Output Files:

FT06F001 POPULATION REPORT FOR TOTAL POPULATION AND 17-24  
YEAR OLDS BY SEX AND WHITE, BLACK AND OTHER

FT20F001 COMPUT.CTY.POP.MFWBO.YR70.TRY1

# FILE DOCUMENTATION

PROGRAM: P2-13 MFWBO

FILE: FT05F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 80

FILE TYPE: BCD

RECFM: FB

DSN:

Column	Format (EBCDIC) Data Type (Binary)	Data Description
1 - 4	A4	COUNTY CORRECTION CODE
7 - 10	6X	. FILLER
11 - 20	INTEGER	1ST CORRECTION
21 - 30		2ND CORRECTION
31 - 40		3RD CORRECTION
41 - 50		4TH CORRECTION
51 - 60		5TH CORRECTION
61 - 70		6TH CORRECTION
71 - 80	INTEGER	7TH CORRECTION

# FILE DOCUMENTATION

PROGRAM: P2-13 MFWBO

FILE: FT10F001

LRECL: 220

IO TYPE: INPUT

BLKSIZE: 6600

FILE TYPE: EBCDIC

RECFM: FB

DSN: EXTND.COUNTY.INFO.FILE

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 2	2X	FILLER
3 - 4	I2	FIPS STATE CODE
5 - 21	17A1	STATE NAME
22 - 23	A2	STATE ABBREVIATION
24 - 27	4X	FILLER
28 - 30	I3	COUNTY FIPS CODE
31 - 62	32A1	BASIC TRADING AREA (BTA) NAME
63 - 66	I4	BTA CODE
67 - 70	A4	TRADING AREA (TA) ABBR
71 - 72	2X	FILLER
73 - 75	I3	MAJOR TRADING AREA (MTA) CODE
76 - 85	I10	POPULATION COUNTS (TOTAL)
86 - 87	2X	FILLER
88 - 94	I7	POPULATION COUNTS (BLACK)
95 - 103	I8	LAND AREA
104 - 112	I9	QMA POPULATION
113 - 120	F8.2	POPULATION DENSITY
121 - 122	2X	FILLER
123 - 140	18A1	COUNTY NAME
141 - 141	ALPHA	UGA LEVEL NUMBER
142 - 143	↑	UGA LEVEL ID NUMBER
144 - 146	↓	UGA COUNTY NUMBER
147 - 156	ALPHA	COUNTY NAME
157 - 164	INTEGER	TOTAL POPULATION WHITE MALES
165 - 172	↑	TOTAL POPULATION NON-WHITE MALES
173 - 180	↓	TOTAL POPULATION WHITE FEMALES
181 - 188	↑	TOTAL POPULATION NON-WHITE FEMALES
189 - 196	↓	POPULATION, AGES 17-24 WHITE MALES
197 - 204	↑	POPULATION, AGES 17-24 NON-WHITE MALES
205 - 212	↓	POPULATION, AGES 17-24 WHITE FEMALES
213 - 220	INTEGER	POPULATION, AGES 17-24 NON-WHITE FEMALES

# FILE DOCUMENTATION

PROGRAM: P2-13 MFWBO

FILE: FT20F001

LRECL: 252

IO TYPE: OUTPUT

BLKSIZE: 5040

FILE TYPE: EBCDIC

RECFM: FB

DSN: COMPUT.CTY.POP.MFWBO.YR70.TRY1

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 2	2X	FILLER
3 - 4	I2	FIPS STATE CODE
5 - 21	17A1	STATE NAME
22 - 23	A2	STATE ABBREVIATION
24 - 27	4X	FILLER
28 - 30	I3	COUNTY FIPS CODE
31 - 62	32A1	BASIC TRADING AREA (BTA) NAME
63 - 66	I4	BTA CODE
67 - 70	A4	TRADING AREA (TA) ABBR
71 - 72	2X	FILLER
73 - 75	I3	MAJOR TRADING AREA (MTA) CODE
76 - 85	I10	POPULATION COUNTS (TOTAL)
86 - 87	2X	FILLER
88 - 94	I7	POPULATION COUNTS (BLACK)
95 - 103	I8	LAND AREA
104 - 112	I9	QMA POPULATION
113 - 120	F8.2	POPULATION DENSITY
121 - 122	2X	FILLER
123 - 140	18A1	COUNTY NAME
141 - 141	ALPHA	UGA LEVEL NUMBER
142 - 143	↕	UGA LEVEL ID NUMBER
144 - 146	↕	UGA COUNTY NUMBER
147 - 156	ALPHA	COUNTY NAME
157 - 164	INTEGER	TOTAL POPULATION WHITE MALES
165 - 172	↑	TOTAL POPULATION BLACK MALES
173 - 180	↑	TOTAL POPULATION OTHER MALES
181 - 188	↑	TOTAL POPULATION WHITE FEMALES
189 - 196	↑	TOTAL POPULATION BLACK FEMALES
197 - 204	↑	TOTAL POPULATION OTHER FEMALES
205 - 212	↑	POPULATION, 17-24 YRS WHITE MALES
213 - 220	↑	POPULATION, 17-24 YRS BLACK MALES
221 - 228	↑	POPULATION, 17-24 YRS OTHER MALES
229 - 236	↑	POPULATION, 17-24 YRS WHITE FEMALES
237 - 244	↑	POPULATION, 17-24 YRS BLACK FEMALES
245 - 252	↑	POPULATION, 17-24 YRS OTHER FEMALES



Program name: DTH.AGGREG

Program ID: P2-14

Purpose:

This program extracts the number of deaths by state, sex, race, and age from the National Center for Health Statistics' cause of death summary tapes. The tapes are sorted by state, sex, and race prior to this processing step. The program is run three times, once each for the 1972, 1973, and 1974 death tapes.

Author: Alison Crews

Computer/OS: IBM 370/Hasp

Language: FORTRAN G

Estimated Requirements:

Core: 100 K

Tape Drives: 2

CPU Time: 2 min

Disk Drives: 1

Print Lines: 1500

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)

External

RDDTHS (SOURCE)

MVECR

DATAK (SOURCE)

FWRITE

LEAVE

FREAD

Input Files:

FT10F001 National Center for Health Statistics'  
cause of death summary tape

Output Files:

FT20F001 STATE.DEATHS.YR19XX

SYSOUT The program prints a list of the number of  
deaths by state, sex, race, and age. The  
program also lists the number of records read,  
used, written and bypassed.

# FILE DOCUMENTATION

PROGRAM: P2-14 DTH.AGGREG

FILE: FT10F001

LRECL: 194

IO TYPE: INPUT

BLKSIZE: 1940

FILE TYPE: MIXED

RECFM: FB

DSN: UNKNOWN - USE BLP

Column	Format (EBCDIC) Data Type (Binary)	Data Description
1	A1	RECORD NUMBER
2 - 3	I2	STATE CODE
4	I1	SEX CODE (1=MALE, 2=FEMALE)
5 - 6	2X	FILLER
7	I1	RACE CODE (1=WHITE, 2=BLACK, 3=ALL OTHER)
8 - 36	29X	FILLER
37 - 40	BINARY, INTEGER ↑ ↓	NO. OF DEATHS LESS THAN 1 YR OLD
41 - 60		FILLER
61 - 64		NO. OF DEATHS 1 YR OLD
65 - 68		2 YRS OLD
69 - 72		3
73 - 76		4
77 - 80		FILLER
81 - 84		NO. OF DEATHS 5-9 YRS OLD
85 - 88		10-14
89 - 92		15-19
93 - 96		20-24
97 - 194		FILLER

# FILE DOCUMENTATION

PROGRAM: P2-14 DTH.AGGREG

FILE: FT20F001

LRECL: 48

IO TYPE: OUTPUT

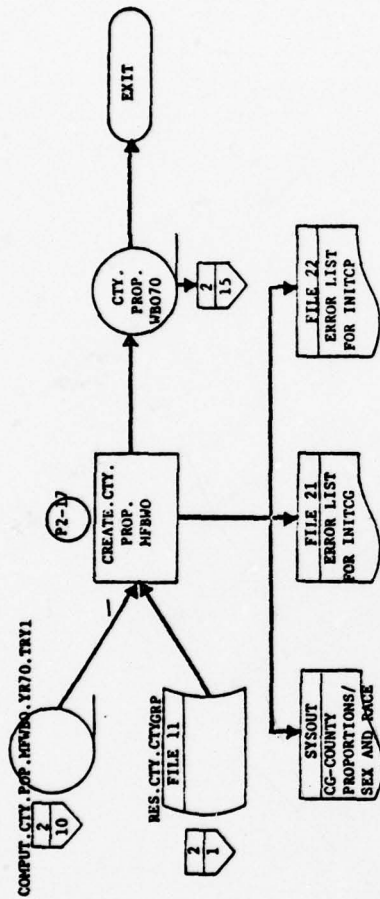
BLKSIZE: 7200

FILE TYPE: BINARY

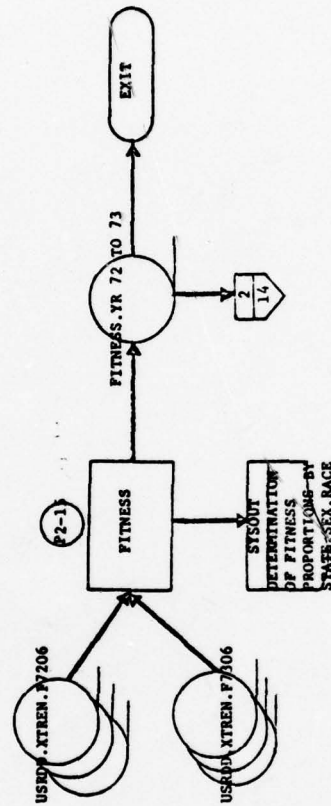
RECFM: FB

DSN: STATE.DEATHS.YR19XX

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 4	INTEGER ↑ ↓	FIPS STATE CODE
5 - 8		SEX CODE (1=MALE,2=FEMALE)
9 - 12		RACE CODE (1=WHITE,2=BLACK,3=OTHER)
13 - 16		NUMBER OF DEATHS FOR AGE LT 1 YR OLD
17 - 20		FOR AGE 1 YR
21 - 24		2
25 - 28		3
29 - 32		4
33 - 36		AGES 5 - 9
37 - 40		10 - 14
41 - 44		15 - 19
45 - 48		20 - 24



EXTRACTION OF FITNESS DATA





Program name: FITNESS

Program ID: P2-15

Purpose:

This program determines mental and physical fitness proportions from AFES data. The data is extracted at a state level with additional regions for urban areas within 9 states, New York, California, Illinois, Michigan, Pennsylvania, Ohio, Texas, Washington, Massachusetts.

Author: Unknown

Computer/OS: IBM 370/Hasp

Language: FORTRAN G

Estimated Requirements:

Core: 100 K

Tape Drives: 2

CPU Time: 26 min

Disk Drives: 1

Print Lines: 4000

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)	External
ZIPSTS(S)	PAZIP(S)
NYZIP (S)	OHZIP(S)
ILZIP (S)	TXZIP(S)
CAZIP (S)	WAZIP(S)
MIZIP (S)	MAZIP(S)
	FREAD
	GETCR
	LISTI
	LEAVE

Input Files:

FT10F001 USRDD.XTREN.F7206  
USRDD.XTREN.F7306

Output Files:

FT20F001 FITNESS.YR72TO73.TRY1  
SYSOUT This file contains a listing of the counts written on tape 20 as well as a summary of the record processing, e.g., number of records read, number of records processed, etc.

# FILE DOCUMENTATION

PROGRAM: P2-15 FITNESS

FILE: FT10F001

LRECL: 105

IO TYPE: INPUT

BLKSIZE: 5250

FILE TYPE: EBCDIC

RECFM: FB

DSN: USRDD.XTREN.F7206

USRDD.XTREN.F7306

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 5	I5	ZIP CODE
6 - 11	I6	DATE OF EXAM (YYMMDD)
12 - 17	I6	DATE OF BIRTH(YYMMDD)
18	I1	YRS OF EDUCATION
19	A1	SEX
20	I1	RACE
21 - 22	A2	AFQT TEST USED
23 - 25	I3	PERCENTILE
26	I1	MENTAL CATEGORY
27 - 29	I3	AFQT PERCENTILE (REPEATED)
30 - 50	7I3	TEST SCORES
51	I1	BRANCH OF SERVICE
52	A1	STATUS
53 - 105	53X	FILLER

# FILE DOCUMENTATION

PROGRAM: P2-15 FITNESS

FILE: FT20F001

LRECL: 136

IO TYPE: OUTPUT

BLKSIZE: 2720

FILE TYPE: BINARY

RECFM: FB

DSN: FITNESS.TRY1

Column	Format (EBCDIC) Data Type (Binary)	Data Description
1 - 4	INTEGER	REGION CODE
5 - 8	INTEGER	REGION ABBREVIATION
9 - 12	REAL	MALES WHITE MEN.CAT. 1 (Proportion)
13 - 16		2
17 - 20		3
21 - 24		4
25 - 28		5
29 - 32		6
33 - 36		7
37 - 40		PHYS.UNFIT
41 - 44		BLACK MEN.CAT. 1
45 - 48		2
49 - 52		3
53 - 56		4
57 - 60		5
61 - 64		6
65 - 68		7
69 - 72		PHYS.UNFIT
73 - 76		OTHER MEN.CAT. 1
77 - 80		2
81 - 84		3
85 - 88		4
89 - 92		5
93 - 96		6
97 - 100		7
101 - 104		PHYS.UNFIT
105 - 108		FEMALES TOTAL MEN.CAT. 1
109 - 112		2
113 - 116		3
117 - 120		4
121 - 124		5
125 - 128		6
129 - 132		7
133 - 136	REAL	PHYS.UNFIT

Program name: CREATE.CTY.PROP.MFWBO

Program ID: P2-17

Purpose:

This program computes county proportions from the improved SBTA/UGA data.

Author: Alison Crews

Computer/OS: IBM 360-70/HASP

Language: FORTRAN C

Estimated Requirements:

Core: 100K

Tape Drives: 2

CPU Time: 8 MIN

Disk Drives: 1

Print Lines: 5000

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)  
INITCP/CPOP6/PRNCNT (SOURCE)  
INITCG/NXTGRP/PRTCGP (SOURCE)  
ZROFIL (SOURCE)  
RDCCG (OBJECT)

External  
LISTI  
BNSCHI

Input Files:

FT09F001 COMPUT.CTY.POP.MFWBO.YR70.TRY1

FT11F001 RES.CTY.CTYGRP

Output Files:

FT20F001 CTY.PROP.WBO70

FT21F001 CTY STATS RETRIEVAL SYSTEM ERROR MESSAGES FROM INITCP

FT22F001 CTY-CTY GROUP MAPPING ERROR MESSAGES FROM INITCP

SYSOUT INTERMEDIATE RESULTS, LISTS OF PROPORTIONS GENERATED BY  
CTY GRP & CTY



# FILE DOCUMENTATION

PROGRAM: P2-17      CREATE.CTY.PROP.MFWBO  
 FILE:    FT09F001                      LRECL:    252  
 IO TYPE: INPUT                        BLKSIZE: 5040  
 FILE TYPE: EBCDIC                    RECFM:    FB  
 DSN:    COMPUT.CTY.POP.MFWBO.TRY1

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	2X	FILLER
3-4	I2	STATE FIPS CODE
5-21	17X	FILLER
22-23	A2	STATE ABBREVIATION
24-27	4X	FILLER
28-30	I3	COUNTY FIPS CODE
31-204	174X	FILLER
205-212	I8	POPULATION COUNTS MALE WHITE
213-220	I8	↓ BLACK
221-228	I8	↓ OTHER
229-236	I8	↓ FEMALE WHITE
237-244	I8	↓ BLACK
245-252	I8	↓ OTHER

# FILE DOCUMENTATION

PROGRAM: P2-17      CREATE.CTY.PROP.MFWBO  
 FILE: FT11F001      LRECL: 80  
 IO TYPE: INPUT      BLKSIZE: 7200  
 FILE TYPE: EBCDIC      RECFM: FB  
 DSN: RES.CTY.CTYGRP

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-70	5(3X,15,1X,15)	COUNTY-COUNTY GROUP MAPPINGS (MAXIMUM OF 5 PER CARD)
e.g.		
1-3		FILLER
4-8		COUNTY CODE
9		FILLER
10-14		COUNTY GROUP CODE

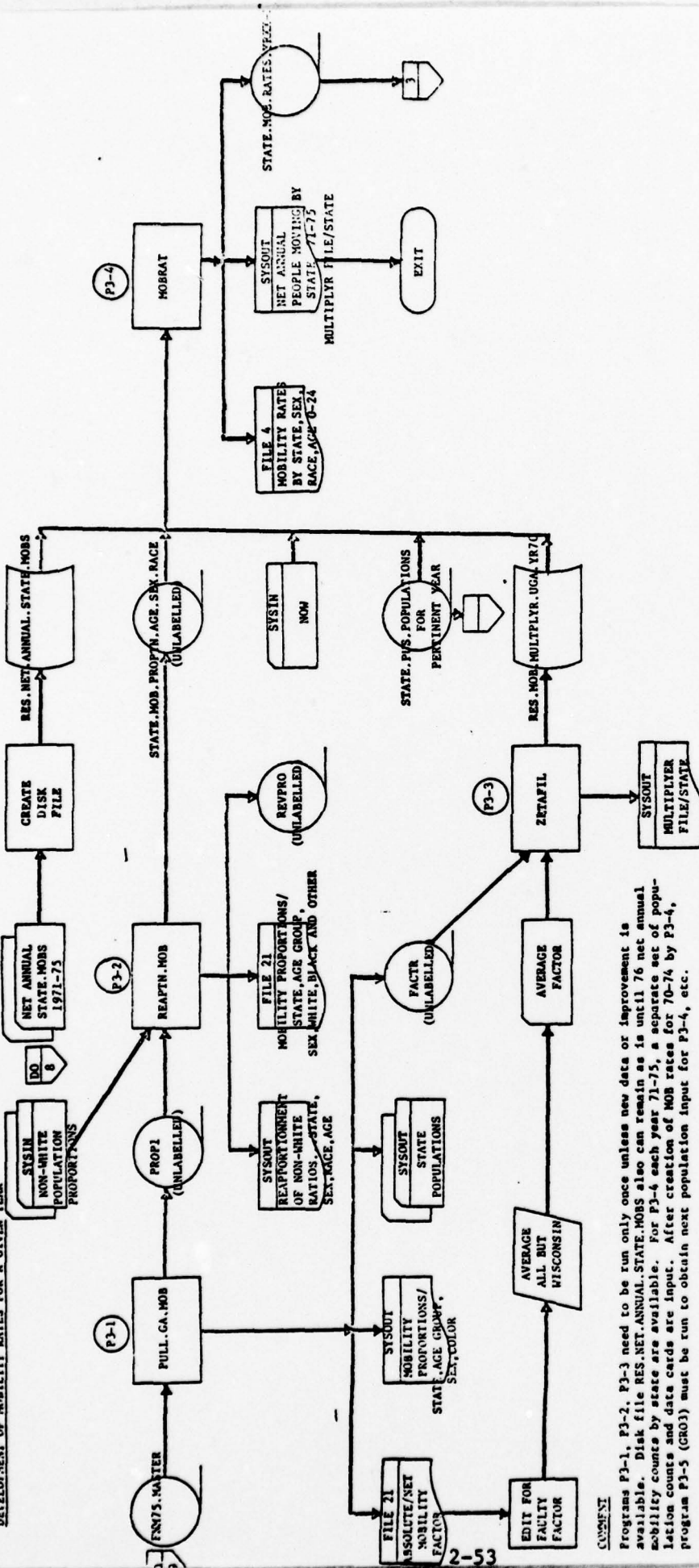
# FILE DOCUMENTATION

PROGRAM: P2-17      CREATE.CTY.PROP.MFWBO  
 FILE: FT20F001      LRECL: 80  
 IO TYPE: OUTPUT      BLKSIZE: 7200  
 FILE TYPE: EBCDIC      RECFM: FB  
 DSN: CTY.PROP.WB070

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-5	5I1	COUNTY GROUP CODE
6-22	17X	FILLER
23-27	5I1	COUNTY FIPS CODE
28-33	6X	FILLER
34-40	F7.4	PROPORTION MALE WHITE
41-47	F7.4	↓ BLACK
48-54	F7.4	↓ OTHER
55-59	5X	FILLER
60-66	F7.4	PROPORTION FEMALE WHITE
67-73	F7.4	↓ BLACK
74-80	F7.4	↓ OTHER

# DEVELOPMENT OF GROWTH RATES

## DEVELOPMENT OF MOBILITY RATES FOR A GIVEN YEAR



Programs P3-1, P3-2, P3-3 need to be run only once unless new data or improvement is available. Disk file RES.NET.ANNUAL.STATE.MOBS also can remain as is until 76 net annual mobility counts by state are available. For P3-4 each year 71-75, a separate set of population counts and data cards are input. After creation of MOB rates for 70-74 by P3-4, program P3-5 (GRO3) must be run to obtain next population input for P3-4, etc.

### Data Card 1

SOM	NCOLS	NRMS	NSETS	IBCN
1	25	3	2	1970

### Data Card 2

SOM	NCOLS	NRMS	NSETS	IBCN
2	25	3	2	1970

2 ENRICH.STATE.PUS.YR70

3 STATE.ENRICH.POPS.YR71

3 STATE.ENRICH.POPS.YR72

3 STATE.ENRICH.POPS.YR73

3 STATE.ENRICH.POPS.YR74

1 STATE.MOB.RATES.MFMO.YR70-71

2 STATE.MOB.RATES.MFMO.YR71-72

3 STATE.MOB.RATES.MFMO.YR72-73

4 STATE.MOB.RATES.MFMO.YR73-74

5 STATE.MOB.RATES.MFMO.YR74-75



Program name:	PULL.GA.MOB	Program ID: P3-1
---------------	-------------	------------------

**Purpose:** This program extracts mobility data from UGA tape. It creates proportions of subgroup mobility to total absolute mobility by 5-year age groups, sex, color (white and non-white) and state. It also creates a mobility factor file by state using the ratio of net mobility to total absolute mobility within the state. UGA state codes are adjusted to FIPS state codes.

**Author:** Alison Crews

**Computer/OS:** IBM 370/HASP

**Language:** FORTRAN G

**Estimated Requirements:**

Core: 100K

Tape Drives: 3

CPU Time: 120 SEC

Disk Drives: 0

Print Lines: 350

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)

External

**Input Files:**

FT10F001 FRM75.MASTER (treated as unlabelled tape)

**Output Files:**

FT20F001	UNLABELLED contains mobility proportions by state, sex, 5-year age groups (0-24 yrs) and white/non-white color.
FT21F001	List of FACTR file, multipliers created from ratio of net to total absolute mobility in a state.
FT22F001	UNLABELLED contains FACTR file.
SYSOUT=B	Punch file of total state populations.
SYSOUT=A	List of mobility proportions by state, sex, 5-year age groups (0-24 yrs), and color.

# FILE DOCUMENTATION

PROGRAM: P3-1

FILE: FT22F001

IO TYPE: OUTPUT

FILE TYPE: EBCDIC

DSN: UNLABELLED (FACTR)

LRECL: 32

BLKSIZE: 3200

RECFM: FB

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 4	I4	Signed FIPS state code where sign denotes sign of net state mobility in 1970.
5 - 8	4X	Filler
9 - 16	F8..5	Ratio of state total absolute mobility to state net mobility for 1960-1970 (UGA data).
17 - 24	F8..5	Mobility multiplier of mobility subpopulation has opposite sign from state net mobility count.
25 - 32	F8..5	Mobility multiplier of mobility subpopulation has same sign as state net mobility count.

# FILE DOCUMENTATION

PROGRAM: P3-1 PULL.GA.MOB

FILE: FT20F001

LRECL: 232

IO TYPE: OUTPUT

BLKSIZE: 4640

FILE TYPE: EBCDIC

RECFM: FB

DSN: UNLABELLED (PROPI)

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	I2	FIPS STATE CODE
3-22	5A4	STATE NAME
23-32	F10.5	MOBILITY PROPORTION MALE WHITE AGE 0-4
33-42		FEMALE WHITE
43-52		MALE NON-WHITE
53-62		FEMALE NON-WHITE AGE 0-4
63-72		MALE WHITE AGE 5-9
73-82		FEMALE WHITE
83-92		MALE NON-WHITE
93-102		FEMALE NON-WHITE AGE 5-9
103-112		MALE WHITE AGE 10-14
113-122		FEMALE WHITE
123-132		MALE NON-WHITE
133-142		FEMALE NON-WHITE AGE 10-14
143-152		MALE WHITE AGE 15-19
153-162		FEMALE WHITE
163-172		MALE NON-WHITE
173-182		FEMALE NON-WHITE AGE 15-19
183-192		MALE WHITE AGE 19-24
193-202		FEMALE WHITE
203-212		MALE NON-WHITE
213-222	F10.5	FEMALE NON-WHITE AGE 19-24
223-232	I10	MOBILITY PROPORTION TOTAL STATE POPULATION

Program name: REAPTN.MOB

Program ID: P3-2

Purpose: This program converts proportions of non-white mobility for five age groups (1-25 yrs.) into proportions for black and other. Proportions for white individuals are unchanged. The proportions of each age group are distributed evenly among each age within the age group, maintaining race and sex subdivisions.

Author: Alison Crews

Computer/OS: IBM 370/HASP

Language: FORTRAN G

Estimated Requirements:

Core: 100K

Tape Drives: 3

CPU Time: 20 seconds

Disk Drives: 0

Print Lines: 622

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)

External

NONE

Input Files:

FT03F001 UNLABELLED  
VOL=SER=PROPI

SYSIN FILE OF RACE PROPORTIONS BY SEX OF RATIO OF TOTAL BLACK/  
NON-WHITE AND TOTAL OTHER/NON-WHITE (DERIVED FROM UGA  
POPULATION DATA)

Output Files:

FT20F001 UNLABELLED CONTAINING REVISED MOBILITY PROPORTIONS BY STATE, SEX,  
RACE, AND 5-YR. AGE GROUPS  
VOL=SER=REVPRO

FT21F001 LIST OF REVISED MOBILITY PROPORTIONS BY STATE, SEX, RACE, AND  
5-YR. AGE GROUPS

FT23F001 UNLABELLED CONTAINING REVISED MOBILITY PROPORTIONS SPREAD IN  
AGES 0-24  
VOL=SER=C647

SYSOUT LIST OF REVISED MORILITY PROPORTIONS BY STATE, SEX, RACE AND  
AGE (0-24 YRS.)



# FILE DOCUMENTATION

PROGRAM: P3-2 REAPTN.MOB

FILE: SYSIN

LRECL: 80

IO TYPE: BCD

BLKSIZE: 80

FILE TYPE: INPUT

RECFM: FB

DSN:

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	I2	STATE FIPS CODE
3-5	3X	FILLER
6-10	F5.4	TOTAL MALE BLACK/TOTAL MALE NON-WHITE
11-15	5X	FILLER
16-20	F5.4	TOTAL MALE OTHER/TOTAL MALE NON-WHITE
21-25	5X	FILLER
26-30	F5.4	TOTAL FEMALE BLACK/TOTAL FEMALE NON-WHITE
31-35	5X	FILLER
36-40	F5.4	TOTAL FEMALE OTHER/TOTAL FEMALE NON-WHITE
41-45	5X	FILLER

# FILE DOCUMENTATION

PROGRAM: P3-2 REAPTN.MOB

FILE: FT03F001

LRECL: 232

IO TYPE: INPUT

BLKSIZE: 4640

FILE TYPE: EBCDIC

RECFM: FB

DSN: UNLABELLED

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	I2	FIPS STATE CODE
3-22	5A4	STATE NAME
23-32	F10.5	MOBILITY PROPORTION MALE WHITE AGE 0-4
33-42		FEMALE WHITE
43-52		MALE NON-WHITE
53-62		FEMALE NON-WHITE AGE 0-4
63-72		MALE WHITE AGE 5-9
73-82		FEMALE WHITE
83-92		MALE NON-WHITE
93-102		FEMALE NON-WHITE AGE 5-9
103-112		MALE WHITE AGE 10-14
113-122		FEMALE WHITE
123-132		MALE NON-WHITE
133-142		FEMALE NON-WHITE AGE 10-14
143-152		MALE WHITE AGE 15-19
153-162		FEMALE WHITE
163-172		MALE NON-WHITE
173-182		FEMALE NON-WHITE AGE 15-19
183-192		MALE WHITE AGE 19-24
193-202		FEMALE WHITE
203-212		MALE NON-WHITE
213-222	F10.5	PROPORTION FEMALE NON-WHITE AGE 19-24
223-232	I10	TOTAL STATE POPULATION

# FILE DOCUMENTATION

PROGRAM: P3-2 REAPTN.MOB

FILE: FT20F001

LRECL: 264

IO TYPE: OUTPUT

BLKSIZE: 2640

FILE TYPE: EBCDIC

RECFM: FB

DSN: UNLABELLED CONTAINS REVISED MOBILITY PROPORTIONS BY STATE, SEX, RACE, AND  
5-YR. AGE GROUP

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	I2	STATE FIPS CODE
3-4	2X	FILLER
5-24	5A4	STATE NAME
25-32	F8.5	MOBILITY PROPORTION MALE WHITE 0-4 YRS.
33-40	↑	↑
41-48	↑	↑
49-56	↑	↑
57-64	↓	↓
65-72	F8.5	MOBILITY PROPORTION MALE WHITE 0-4 YRS.
73-120	6F8.5	MOBILITY PROPORTIONS AS ABOVE 5-9 YRS.
121-168	↑	↑
169-216	↓	↓
217-264	6F8.5	MOBILITY PROPORTIONS AS ABOVE 5-9 YRS.

# FILE DOCUMENTATION

PROGRAM: P3-2 REAPTN.MOB

FILE: FT23F001

LRECL: 206

IO TYPE: OUTPUT

BLKSIZE: 4120

FILE TYPE: EBCDIC

RECFM: FB

DSN: UNLABELLED CONTAINS REVISED MOBILITY PROPORTIONS BY STATE, SEX, RACE, AND AGE (0-24 YRS)

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	I2	FIPS STATE CODE
3-4	I2	SEX CODE (1=MALE, 2=FEMALE)
5-6	I2	RACE CODE (1=white, 2=black, 3=other)
7-14	F8.5	PROPORTION OF INDIVIDUALS MOVING
15-22		LT 1-YR.OLD
23-30		1-YR.OLD
31-38		2
39-46		3
47-54		4
55-62		5
63-70		6
71-78		7
79-86		8
87-94		9
95-102		10
103-110		11
111-118		12
119-126		13
127-134		14
135-142		15
143-150		16
151-158		17
159-166		18
167-174		19
175-182		20
183-190		21
191-198		22
199-206	F8.5	PROPORTION OF INDIVIDUALS MOVING 23
		24



Program name: ZETAPIL

Program ID: P3-3

Purpose:

This program puts absolute/net mobility multiplier file derived from Net Migration (UGA) data onto disk file. In the process, it inserts average values in place of unreasonable values for state of Wisconsin.

Author: Alison Crews

Computer/OS: IBM 370/Hasp

Language: FORTRAN G

Estimated Requirements:

Core: 82 K

Tape Drives: 1

CPU Time: 3 seconds

Disk Drives: 0

Print Lines: 56 lines

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)

External

None

Input Files:

FT08F001 Unlabelled tape of state mobility multipliers—  
output from program P3-1

SYSIN Correction data for state of Wisconsin

Output Files:

FT20F001 RES.MOB.MULTPLYR.UGA.YR70

SYSOUT List of RES.MOB.MULTPLYR.UGA.YR70  
I/O record counts.

# FILE DOCUMENTATION

PROGRAM: P3-3 ZETAFIL  
 FILE: FT08F001 LRECL: 40  
 IO TYPE: INPUT BLKSIZE: 2040  
 FILE TYPE: BCD-7 TRACK RECFM: FB  
 DSN: UNLABELLED (CONTAINS MOBILITY.MULTPLYR.UGA)

Column	Format (EBCDIC) Data Type (Binary)	Data Description
1 - 4	I4	Signed FIPS state code where sign denotes sign of net state mobility in 1970.
5 - 8	4X	Filler
9 - 20	F12.5	Ratio of state total absolute mobility to state net mobility for 1960-1970 (UGA data).
21 - 32	F12.5	Mobility multiplier of mobility subpopulation has opposite sign from state net mobility count.
33 - 44	F12.5	Mobility multiplier of mobility subpopulation has same sign as state net mobility count.

# FILE DOCUMENTATION

PROGRAM: P3-3 ZETAFIL

FILE: SYSIN

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 80

FILE TYPE: BCD

RECFM: FB

DSN:

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 4	I4	FIPS state code of state
5 - 8	4X	Filler
9 - 18	F10.5	Ratio of state total absolute mobility to state net mobility for 1960-1970 (UGA data).
19 - 28	F10.5	Mobility multiplier if mobility subpopulation has opposite sign from state net mobility count.
29 - 38	F10.5	Mobility multiplier if mobility subpopulation has same sign as state net mobility count.

# FILE DOCUMENTATION

PROGRAM: P3-3 ZETAFIL

FILE: FT20F001

LRECL: 44

IO TYPE: OUTPUT

BLKSIZE: 2244

FILE TYPE: EBCDIC

RECFM: FB

DSN: RES.MOB.MULTPLYR.UGA.YR70

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 4	I4	Signed FIPS STATE Code where sign denotes sign of net state mobility in 1970.
5 - 8	4X	Filler
9 - 20	F12.5	Ratio of state total absolute mobility to state net mobility for 1960-1970 (UGA data).
21 - 32	F12.5	Mobility multiplier if mobility subpopulation has opposite sign from state net mobility count.
33 - 44	F12.5	Mobility multiplier if mobility subpopulation has same sign as state net mobility count.



Program name: MOBRAT.STATE

Program ID: P3-4

Purpose:

This program creates mobility rates for a particular year by state, sex, race, and ages 0-24 years. It uses annual net state mobility counts, pertinent population counts, proportions of absolute mobility for sub-populations and the computed multiplier of total absolute vs net mobility for a state.

Author: Alison Crews

Computer/OS: IBM 370/Hasp

Language: FORTRAN G

Estimated Requirements:

Core:	100 K	Tape Drives:	3
CPU Time:	20 sec	Disk Drives:	1
Print Lines:	720		

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)	External
RDCNT (SOURCE)	FREAD
BNSCHI (SOURCE)	FWRITE
	LEAVE

Input Files:

PT08F001  
RES.MOB.MULTPLYR.UGA.YR70  
PT09F001  
RES.NET.ANNUAL.STATE.MOBS  
PT10F001  
ENRICH.STATE.PUS.YR70  
PT11F001  
STATE.MOB.PROPTH.AGE,SEX,RACE  
SYSIN

Output Files:

PT04F001  
Mobility rates by state, sex, race, age 0-24  
PT20F001  
STATE.MOB.RATES.MFWBO.YRXX-YY  
SYSOUT  
1. Net annual people moving by state for years 1971, 72, 73, 74, and 75.  
2. Multiplier file/state

# FILE DOCUMENTATION

PROGRAM: P3-4 MOBRAT.STATE  
FILE: SYSIN LRECL: 80  
IO TYPE: INPUT BLKSIZE: 80  
FILE TYPE: BCD RECFM: FB  
DSN:

Column	Format(EBCDIC) Data Type(Binary)	Data Description
Card 1		
1. - 5	I5	LOCATION IN ARRAY AMOB FOR NET MOBILITY FOR EACH STATE.

# FILE DOCUMENTATION

PROGRAM: P3-4 MOBRAT.STATE  
 FILE: FT08F001 LRECL: 44  
 IO TYPE: INPUT BLKSIZE: 2244  
 FILE TYPE: EBCDIC RECFM: FB  
 DSN: RES.MOB.MULTPLYR.UGA.YR70

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 4	I4	SIGNED FIPS STATE CODE WHERE SIGN DENOTES SIGN OF NET STATE MOBILITY IN 1970.
5 - 20	16X	FILLER
21 - 32	F12.5	MOBILITY MULTIPLIER IF MOBILITY SUBPOPULATION HAS OPPOSITE SIGN FROM STATE NET MOBILITY COUNT.
33 - 44	F12.5	MOBILITY MULTIPLIER IF MOBILITY SUBPOPULATION HAS SAME SIGN AS STATE NET MOBILITY COUNT.

# FILE DOCUMENTATION

PROGRAM: P3-4 MOBRAT.STATE  
 FILE: FT09F001 LRECL: 80  
 IO TYPE: INPUT BLKSIZE: 7200  
 FILE TYPE: EBCDIC RECFM: FB  
 DSN: RES.NET.ANNUAL.STATE.MOBS

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 2	I2	FIPS STATE CODE
3 - 6	4X	FILLER
7 - 8	A2	STATE ABBREVIATION
9 - 20	12X	FILLER
21 - 28	F8.0	NET STATE MOBILITY 1970-71
29 - 36	↑	1971-72
37 - 44	↑	1972-73
45 - 52	↑	1973-74
53 - 60	↑	1974-75



# FILE DOCUMENTATION

PROGRAM: P3-4 MOBRAT.STATE  
 FILE: FT10F001 LRECL: 112  
 IO TYPE: INPUT BLKSIZE: 4480  
 FILE TYPE: BINARY RECFM: FB  
 DSN: ENRICH.STATE.PUS.YR70

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 4	↑ INTEGER ↓	FIPS STATE CODE
5 - 8		SEX CODE (1=MALE, 2=FEMALE)
9 - 12		RACE CODE (1=WHITE, 2=BLACK, 3=OTHER)
13 - 16		POPULATION COUNT FOR LT 1 YR OLD
17 - 20		1 YR OLD
21 - 24		2 YRS OLD
25 - 28		3
29 - 32		4
33 - 36		5
37 - 40		6
41 - 44		7
45 - 48		8
49 - 52		9
53 - 56		10
57 - 60		11
61 - 64		12
65 - 68		13
69 - 72		14
73 - 76		15
77 - 80		16
81 - 84		17
85 - 88		18
89 - 92		19
93 - 96		20
97 - 100		21
101 - 104		22
105 - 108		23
109 - 112		24

# FILE DOCUMENTATION

**PROGRAM:** P3-4 MOBRAT.STATE  
**FILE:** FT11F001 **LRECL:** 206  
**IO TYPE:** INPUT **BLKSIZE:** 4120  
**FILE TYPE:** EBCDIC **RECFM:** FB  
**DSN:** UNLABELLED (contains STATE.MOB.PROPTN.AGE.SEX.RACE)

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 2	I2	FIPS STATE CODE
3 - 4	I2	SEX CODE (1=MALE, 2=FEMALE)
5 - 6	I2	RACE CODE (1=WHITE, 2=BLACK, 3=OTHER)
7 - 14	F8.5	PROPORTION OF PEOPLE MOVING LT 1
15 - 22		1 YR OLD
23 - 30		2 YRS OLD
31 - 38		3
39 - 46		4
47 - 54		5
55 - 62		6
63 - 70		7
71 - 78		8
79 - 86		9
87 - 94		10
95 - 102		11
103 - 110		12
111 - 118		13
119 - 126		14
127 - 134		15
135 - 142		16
143 - 150		17
151 - 158		18
159 - 166		19
167 - 174		20
175 - 182		21
183 - 190		22
191 - 198		23
199 - 206		24

# FILE DOCUMENTATION

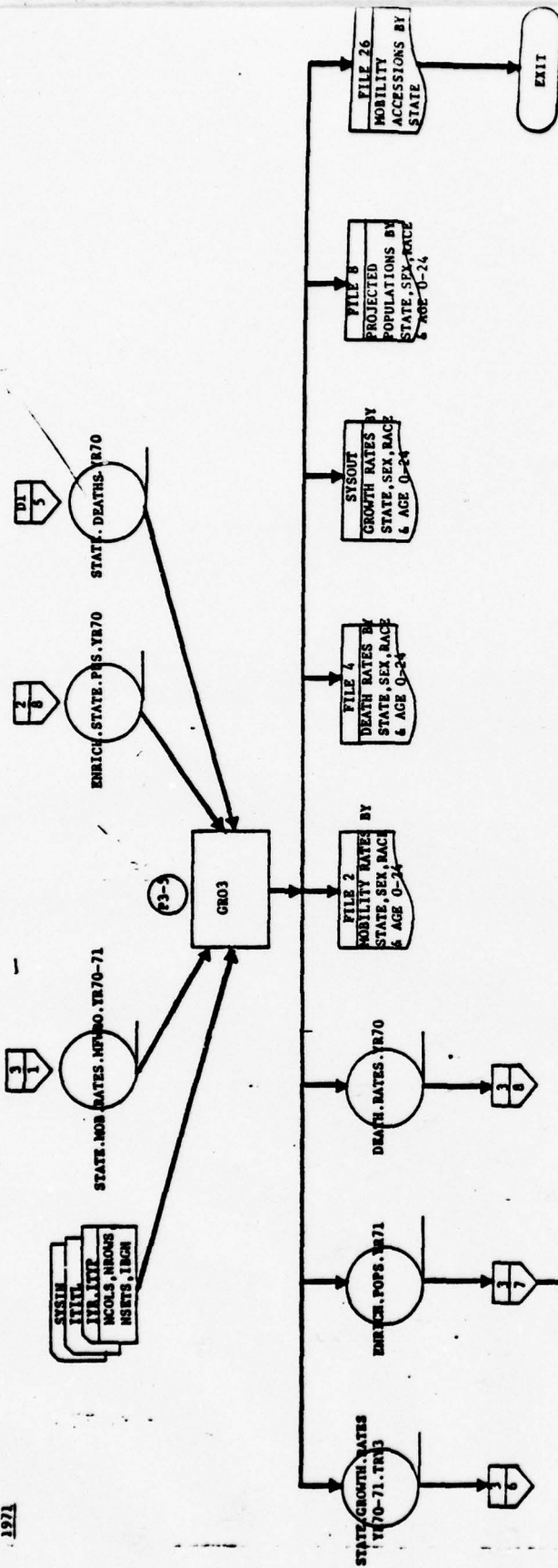
PROGRAM: P3-4 MOBRAT.STATE  
 FILE: FT20F001 LRECL: 116  
 IO TYPE: OUTPUT BLKSIZE: 3480  
 FILE TYPE: BINARY RECFM: FB  
 DSN: STATE.MOB.RATES.MFWBO.YRXX-YY

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 4	INTEGER	FIPS STATE CODE
5 - 8	↑	SEX CODE (1=MALE, 2=FEMALE)
9 - 12	INTEGER	RACE CODE (1=WHITE, 2=BLACK, 3=OTHER)
13 - 16	REAL	MOBILITY RATE FOR LT 1 YR old
17 - 20	↑	FOR 1 YR old
21 - 24	↑	FOR 2
25 - 28	↑	3
29 - 32	↑	4
33 - 36	↑	5
37 - 40	↑	6
41 - 44	↑	7
45 - 48	↑	8
49 - 52	↑	9
53 - 56	↑	10
57 - 60	↑	11
61 - 64	↑	12
65 - 68	↑	13
69 - 72	↑	14
73 - 76	↑	15
77 - 80	↑	16
81 - 84	↑	17
85 - 88	↑	18
89 - 92	↑	19
93 - 96	↑	20
97 - 100	↑	21
101 - 104	↑	22
105 - 108	↓	23
109 - 112	REAL	MOBILITY RATE
113 - 116	ALPHA	Switch denoting whether a sub-population is less than 1, or number of migrants is zero.

blank = no  
 \*\*\* = yes

DEVELOPMENT OF GROWTH RATES (CONTINUED)

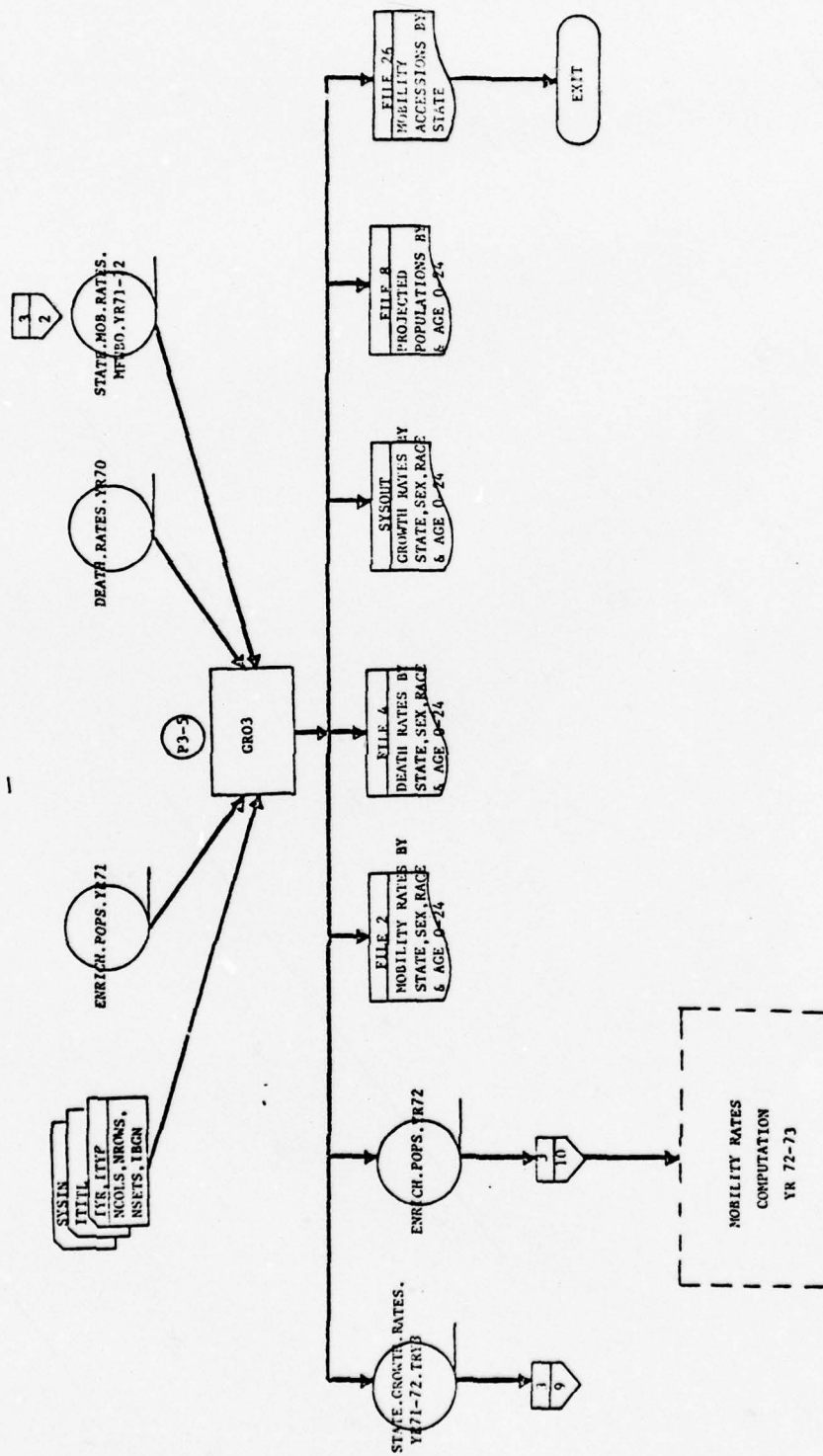
1971





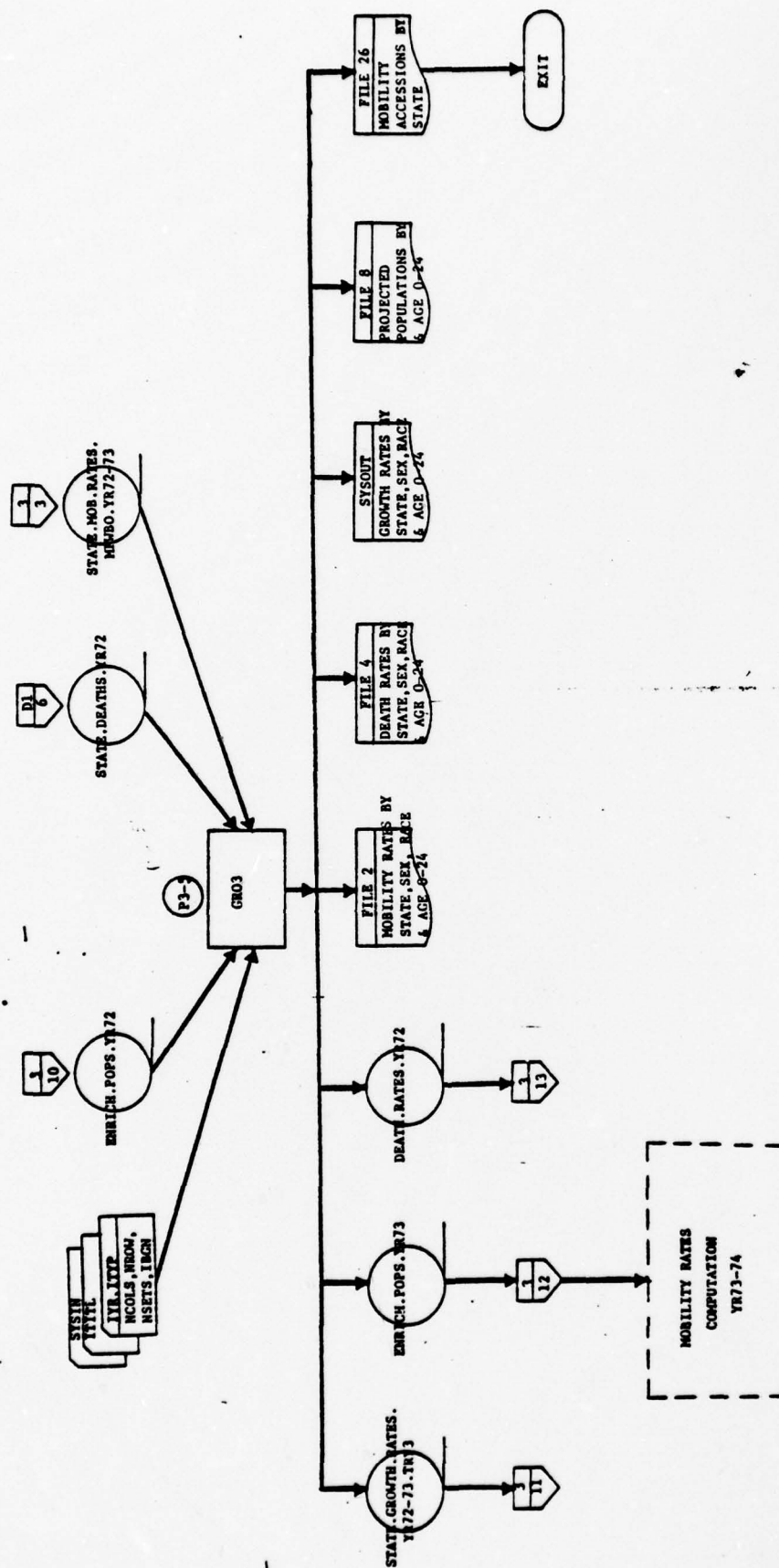
DEVELOPMENT OF GROWTH RATES (CONTINUED)

1972



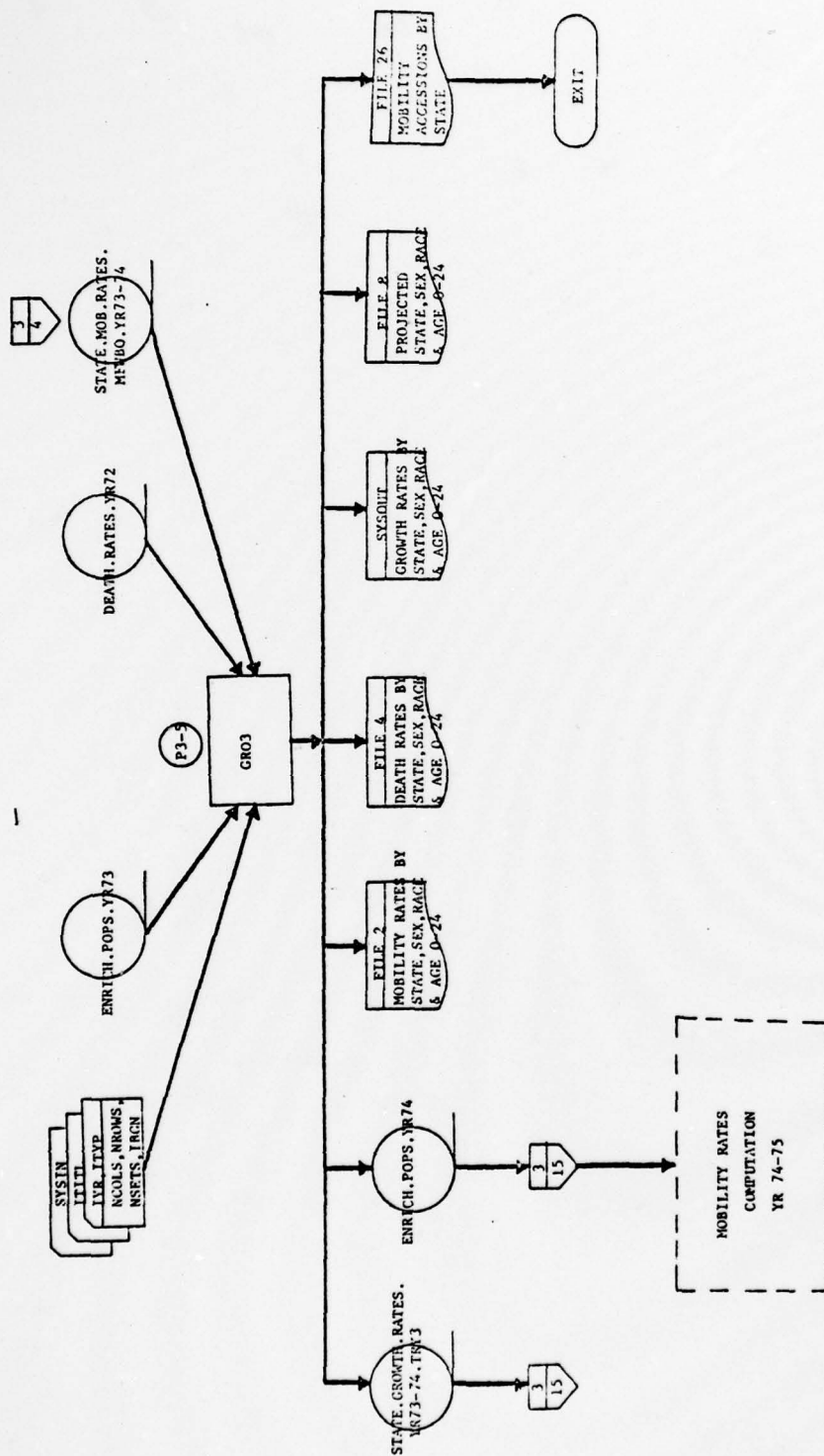
DEVELOPMENT OF GROWTH RATES (CONTINUED)

1973



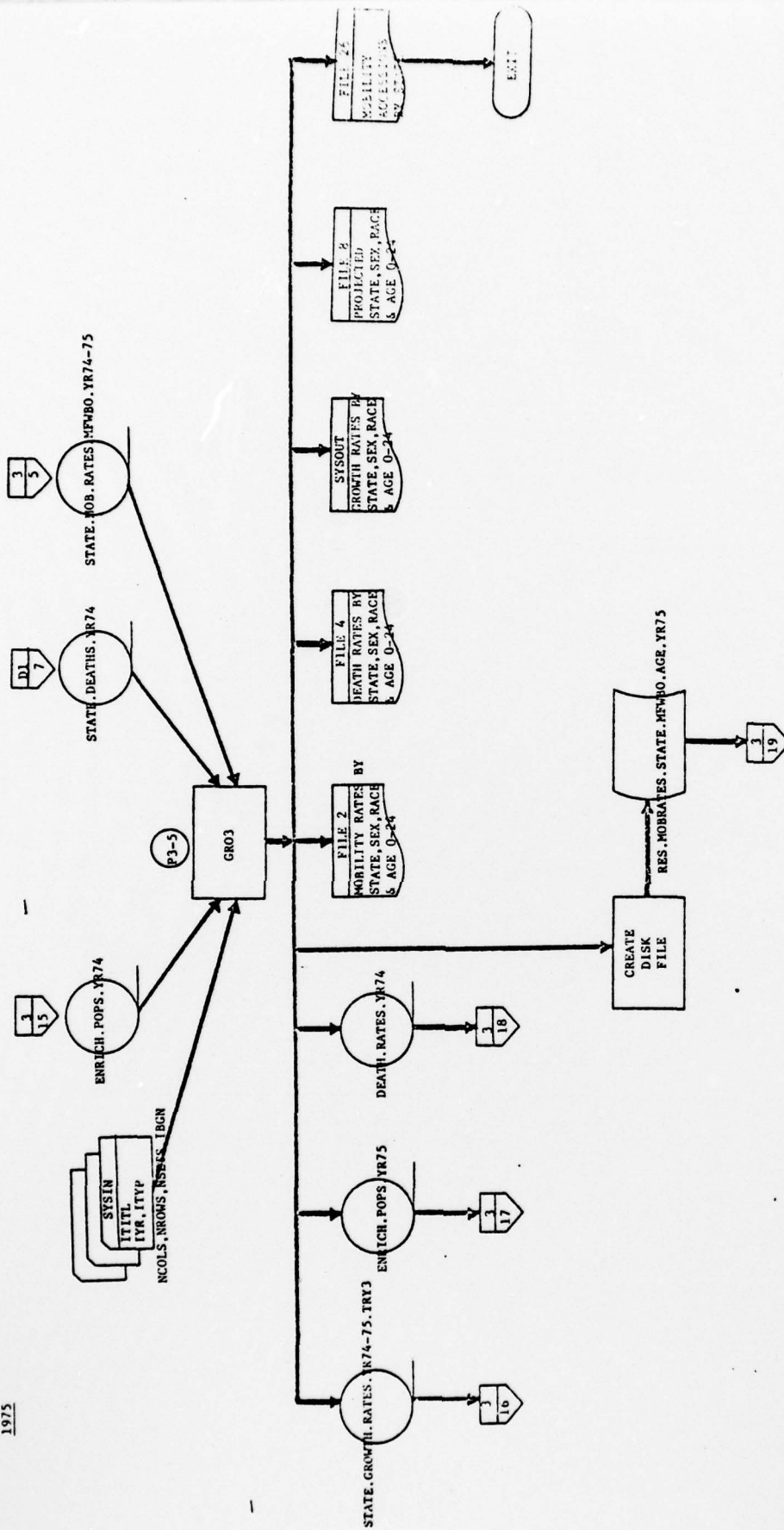
DEVELOPMENT OF GROWTH RATES (CONTINUED)

1974



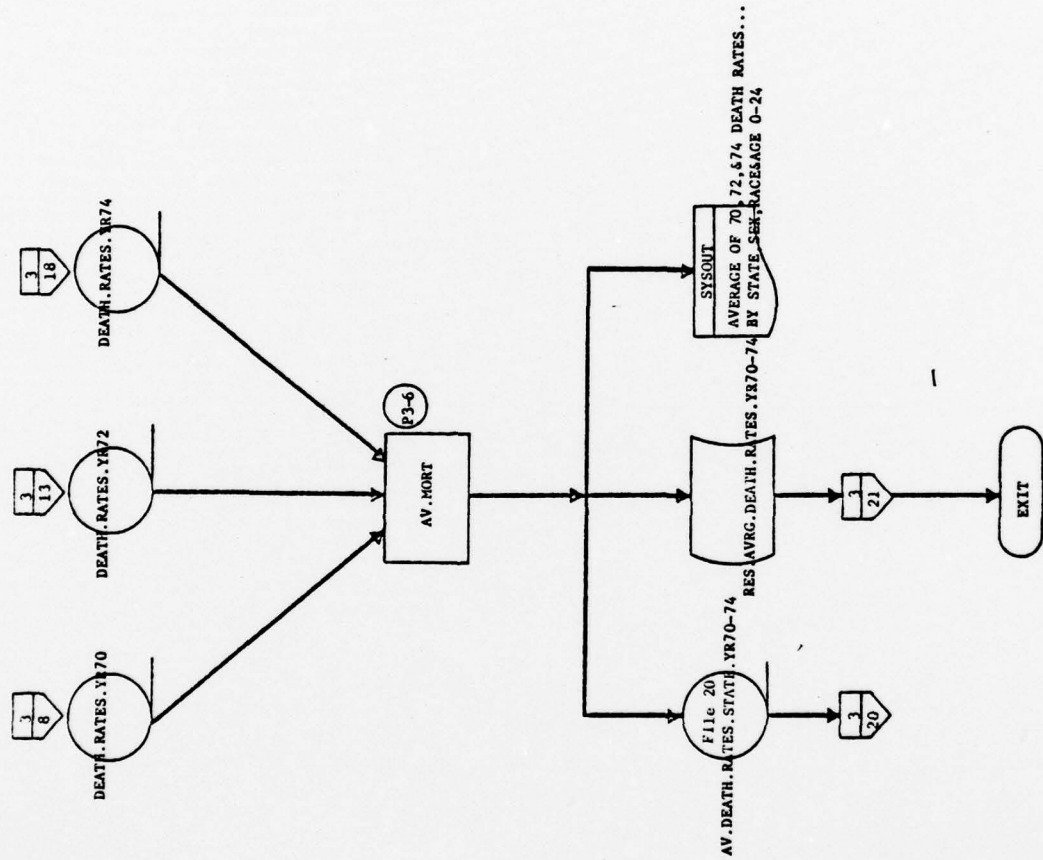
## DEVELOPMENT OF GROWTH RATES (CONTINUED)

1975

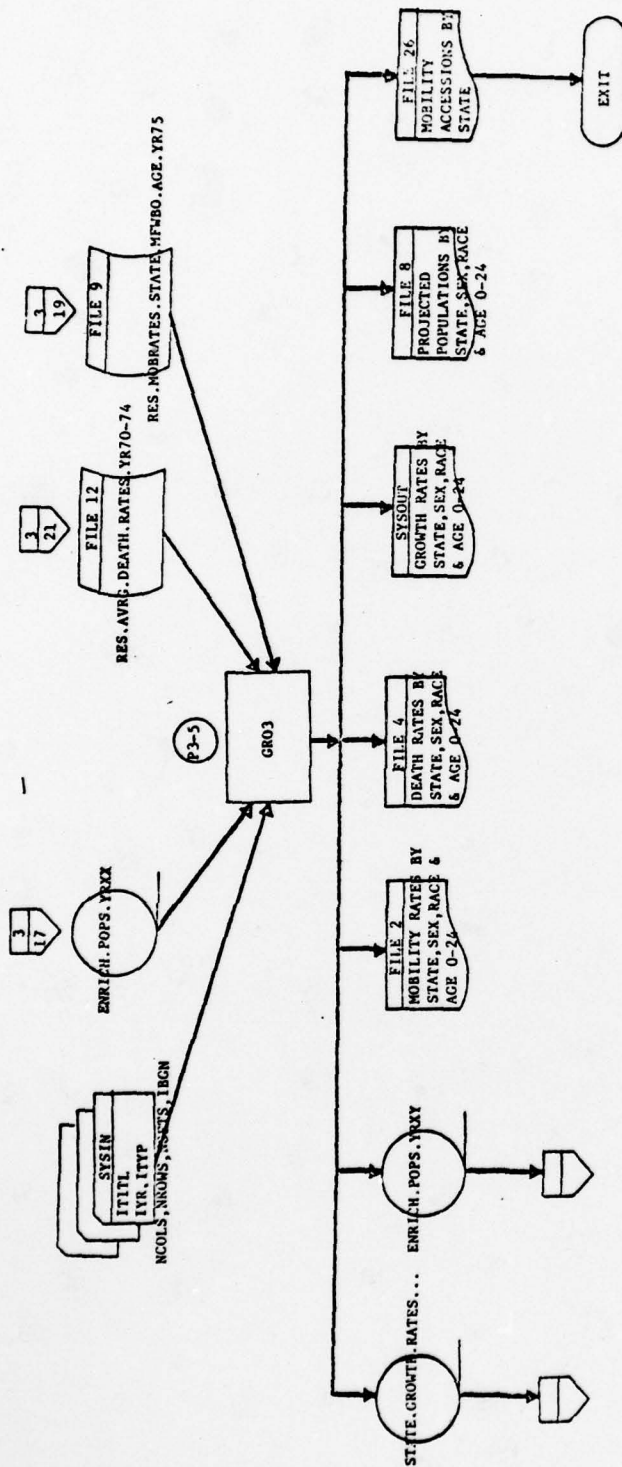




AVERAGE OF DEATH RATES FOR 1970, 1972, 1974

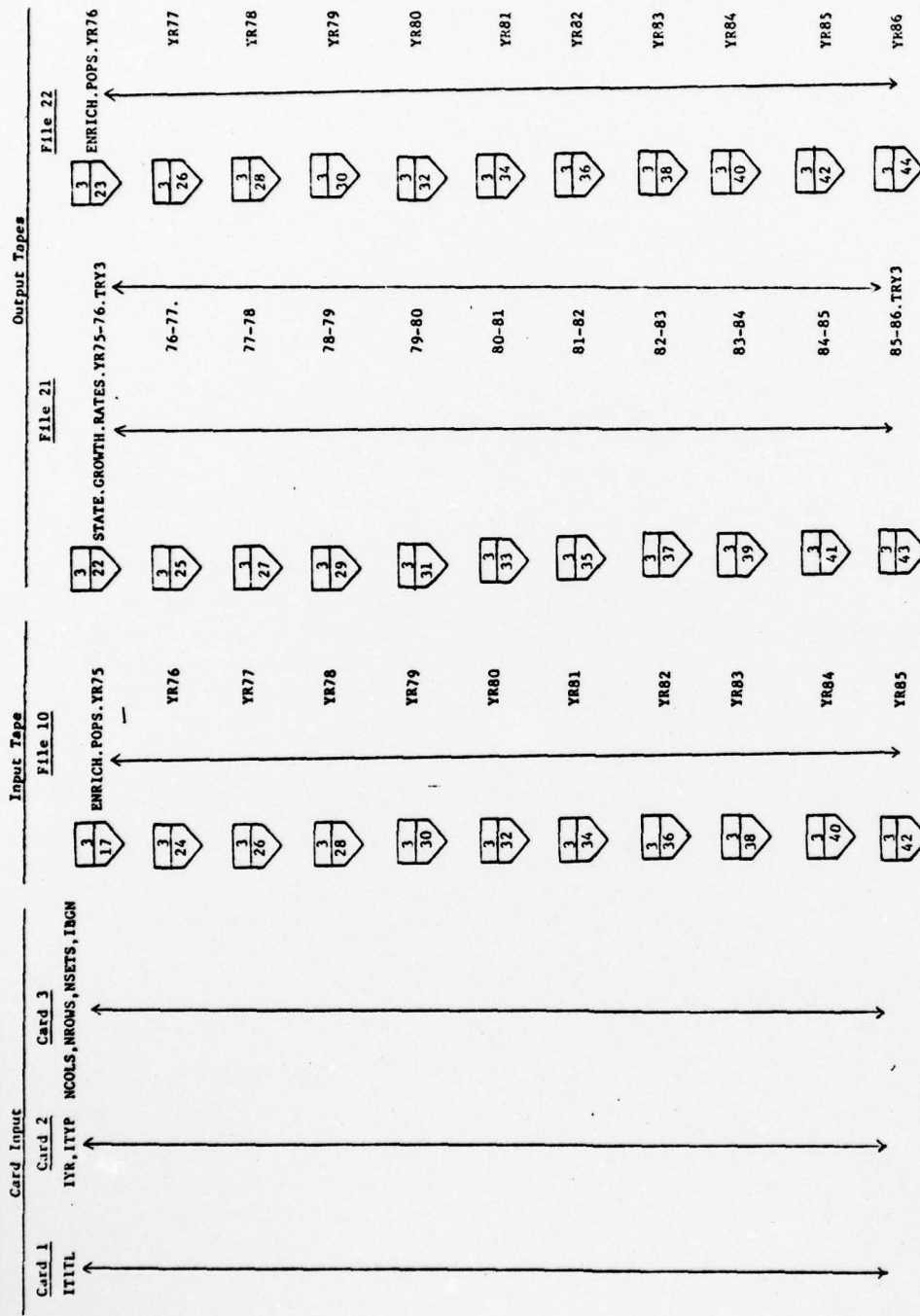


GROWTH RATES 1976-1986



# DEVELOPMENT OF GROWTH RATES (CONTINUED)

GROWTH RATES 1976-1986 (continued)



Program name: CROJ

Program ID: P3-5

Purpose:

This program computes growth rates for a particular year by state, sex, race, and ages 0-24 years. It also produces an "aged" population file for the same subcategories. Growth rates for 17-24 yrs only are retained on magnetic tape. Mortality data can be entered either as mortality counts or mortality rates. Mobility data is entered in the form of mobility rates. Output print files include mobility rates, death rates, growth rates and projected populations.

Author: Alison CrewsComputer/OS: IBM 370/HaspLanguage: FORTRAN GEstimated Requirements:

Core: 120 K

Tape Drives: 5

CPU Time: 45 seconds

Disk Drives: 1

Print Lines: 4000

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)

External

INTMOB/MOB/PRTMOB (SOURCE)

FREAD

RDENT (SOURCE)

FWRITE

MARGNS (SOURCE)

LEAVE

BNSCHI (SOURCE)

Input Files:

FT09F001

STATE.MOB.RATES.MFWBO.YRXX-XY

or

RES.MOBRATES.STATE.MFWBO.YR75

FT10F001

ENRICH.STATE.PUS.YR70

or

STATE.ENRICH.POPS.YRXX

FT11F001

STATE.DEATHS.YRXXYY

or

FT12F001

DEATH.RATES.YRXX

or

RES.AVRG.DEATH.RATES.YR70-74

SYSIN

1 data cards

Output Files:

FT02F001 Intermediate results—mobility rates by state, sex, race &amp; age 0-24

FT04F001 " " death " " " " " " " "

SYSOUT " " growth " " " " " " " "

FT08F001 " " projected pops " " " " " " " "

FT26F001 " " —table of mobility accessions/state

FT21F001 STATE.GROWTH.RATES.YRXX-XY.TRYJ

FT22F001 STATE.ENRICH.POPS.YRXY

FT20F001 DEATH.RATES.YRXX (used only when STATE.DEATHS.YRXXXX are input)

Comment:

This program is run for every year until data for target year is obtained. See flowcharts for logic of data used during iterations without specific data available.



# FILE DOCUMENTATION

PROGRAM: P3-5 GRO3

FILE: SYSIN

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 80

FILE TYPE: BCD

RECFM: FB

DSN:

Column	Format(EBCDIC) Data Type(Binary)	Data Description
Card 1		
1 - 80	BCD	TITLE
Card 2		
1 - 5		YEAR OF INPUT DATA
6 - 10		TYPE OF MORTALITY DATA INPUT
		1 = ACTUAL NUMBER OF DEATHS ARE INPUT
		2 = DEATH RATES ARE INPUT
Card 3		
1 - 5		NUMBER OF COLUMNS REPRESENTING AGE IN ARRAY
6 - 10		NUMBER OF ROWS REPRESENTING RACE IN ARRAY
11 - 15		NUMBER OF SETS REPRESENTING SEX IN ARRAY
16 - 20		YEARS OF ORIGINAL POPULATION DATA BASE

# FILE DOCUMENTATION

PROGRAM: P3-5 GRO3

FILE: FT09F001

LRECL: 116

IO TYPE: INPUT

BLKSIZE: 3480

FILE TYPE: BINARY

RECFM: FB

DSN: STATE.MOB.RATES.MFWBO.YR70-71,...STATE.MOB.RATES.MFWBO.YR74-75 or  
RES.MOBRATES.STATE.MFWBO.YR75

Format (EBCDIC)

Column	Data Type (Binary)	Data Description
1 - 4	INTEGER	FIPS STATE CODE
5 - 8	INTEGER	SEX CODE (1=MALE, 2=FEMALE)
9 - 12	INTEGER	RACE CODE (1=WHITE, 2=BLACK, 3=OTHER)
13 - 16	REAL	MOBILITY RATE FOR LT 1 YR OLD
17 - 20		FOR 1 YR Old
21 - 24		2
25 - 28		3
29 - 32		4
33 - 36		5
37 - 40		6
41 - 44		7
45 - 48		8
49 - 52		9
53 - 56		10
57 - 60		11
61 - 64		12
65 - 68		13
69 - 72		14
73 - 76		15
77 - 80		16
81 - 84		17
85 - 88		18
89 - 92		19
93 - 96		20
97 - 100		21
101 - 104		22
105 - 108		23
109 - 112	REAL	24
113 - 116	ALPHA	SWITCH DENOTING WHETHER A SUB- POPULATION IS LESS THAN 1 OR NUMBER OF MIGRANTS IS ZERO. BLANK = NO *** = YES

# FILE DOCUMENTATION

PROGRAM: P3-5 GRO3

FILE: FT10F001

LRECL: 112

IO TYPE: INPUT

BLKSIZE: 4480

FILE TYPE: BINARY

RECFM: FB

DSN: ENRICH.STATE.PUS.YR70 or  
STATE.ENRICH.POPS.YR71,...,STATE.ENRICH.POPS.YR86

Column	Format (EBCDIC) Data Type (Binary)	Data Description
1 - 4	INTEGER ↑	FIPS STATE CODE
5 - 8		SEX CODE (1=MALE, 2=FEMALE)
9 - 12		RACE CODE (1=WHITE, 2=BLACK, 3=OTHER)
13 - 16		POPULATION COUNT FOR LT 1 YR OLD
17 - 20		FOR 1 YR OLD
21 - 24		2
25 - 28		3
29 - 32		4
33 - 36		5
37 - 40		6
41 - 44		7
45 - 48		8
49 - 52		9
53 - 56		10
57 - 60		11
61 - 64		12
65 - 68		13
69 - 72		14
73 - 76		15
77 - 80		16
81 - 84		17
85 - 88		18
89 - 92		19
93 - 96		20
97 - 100		21
101 - 104		22
105 - 108		23
109 - 112		24 ↓

# FILE DOCUMENTATION

PROGRAM: P3-5 GRO3

FILE: FT11F001

LRECL: 48

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: BINARY

RECFM: FB

DSN: STATE.DEATHS.YR1970,STATE.DEATHS.YR1972,STATE.DEATHS.YR1974

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 4	↑ INTEGER ↓	FIPS STATE CODE
5 - 8		SEX CODE (1=MALE, 2=FEMALE)
9 - 12		RACE CODE (1=WHITE,2=BLACK,3=OTHER)
13 - 16		NUMBER OF DEATHS FOR AGE LT 1 YR
17 - 20		↑ FOR AGE 1 YR
21 - 24		2 ↑
25 - 28		3
29 - 32		4
33 - 36		5-9
37 - 40		10-14
41 - 44		15-19
45 - 48		20-24 ↓



# FILE DOCUMENTATION

PROGRAM: P3-5 GRO3

FILE: FT12F001

LRECL: 112

IO TYPE: INPUT

BLKSIZE: 4480

FILE TYPE: BINARY

RECFM: FB

DSN: DEATH.RATES.YR70,DEATH.RATES.YR72,DEATH.RATES.YR74

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 4	INTEGER	FIPS STATE CODE
5 - 8	INTEGER	SEX CODE (1=MALE,2=FEMALE)
9 - 12	INTEGER	RACE CODE (1=WHITE,2=BLACK,3=OTHER)
13 - 16	REAL	DEATH RATE FOR LT 1 YR OLD
17 - 20		FOR 1 YR
21 - 24		2
25 - 28		3
29 - 32		4
33 - 36		5
37 - 40		6
41 - 44		7
45 - 48		8
49 - 52		9
53 - 56		10
57 - 60		11
61 - 64		12
65 - 68		13
69 - 72		14
73 - 76		15
77 - 80		16
81 - 84		17
85 - 88		18
89 - 92		19
93 - 96		20
97 - 100		21
101 - 104		22
105 - 108		23
109 - 112		24

# FILE DOCUMENTATION

PROGRAM: P3-5 GRO3

FILE: FT20F001

LRECL: 112

IO TYPE: OUTPUT

BLKSIZE: 4480

FILE TYPE: BINARY

RECFM: FB

DSN: DEATH.RATES.YR70,DEATH.RATES.YR72,DEATH.RATES.YR74

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 4	INTEGER	FIPS STATE CODE
5 - 8	INTEGER	SEX CODE (1=MALE, 2=FEMALE)
9 - 12	INTEGER	RACE CODE (1=WHITE, 2=BLACK, 3=OTHER)
13 - 16	REAL	DEATH RATE FOR LT 1 YR OLD
17 - 20		FOR 1 YR OLD
21 - 24		2
25 - 28		3
29 - 32		4
33 - 36		5
37 - 40		6
41 - 44		7
45 - 48		8
49 - 52		9
53 - 56		10
57 - 60		11
61 - 64		12
65 - 68		13
69 - 72		14
73 - 76		15
77 - 80		16
81 - 84		17
85 - 88		18
89 - 92		19
93 - 96		20
97 - 100		21
101 - 104		22
105 - 108		23
109 - 112		24

# FILE DOCUMENTATION

PROGRAM: P3-5 GRO3

FILE: FT21F001

LRECL: 44

IO TYPE: OUTPUT

BLKSIZE: 2640

FILE TYPE: BINARY

RECFM: FB

DSN: STATE.GROWTH.RATES.YR74-75.TRY3

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 4	INTEGER	FIPS STATE CODE
5 - 8	INTEGER	SEX CODE (1=MALE,2=FEMALE)
9 - 12	INTEGER	RACE CODE (1=WHITE,2=BLACK,3=OTHER)
13 - 16	REAL	GROWTH RATE FOR 17 YR OLD
17 - 20	▲	▲ 18 ▲
21 - 24		19
25 - 28		20
29 - 32		21
33 - 36		22
37 - 40		23
41 - 44	▼	▼ 24 ▼

# FILE DOCUMENTATION

PROGRAM: P3-5 GRO3

FILE: FT22F001

LRECL: 112

IO TYPE: OUTPUT

BLKSIZE: 4480

FILE TYPE: BINARY

RECFM: FB

DSN: STATE.ENRICH.POPS.YR71,...,STATE.ENRICH.POPS.YR86

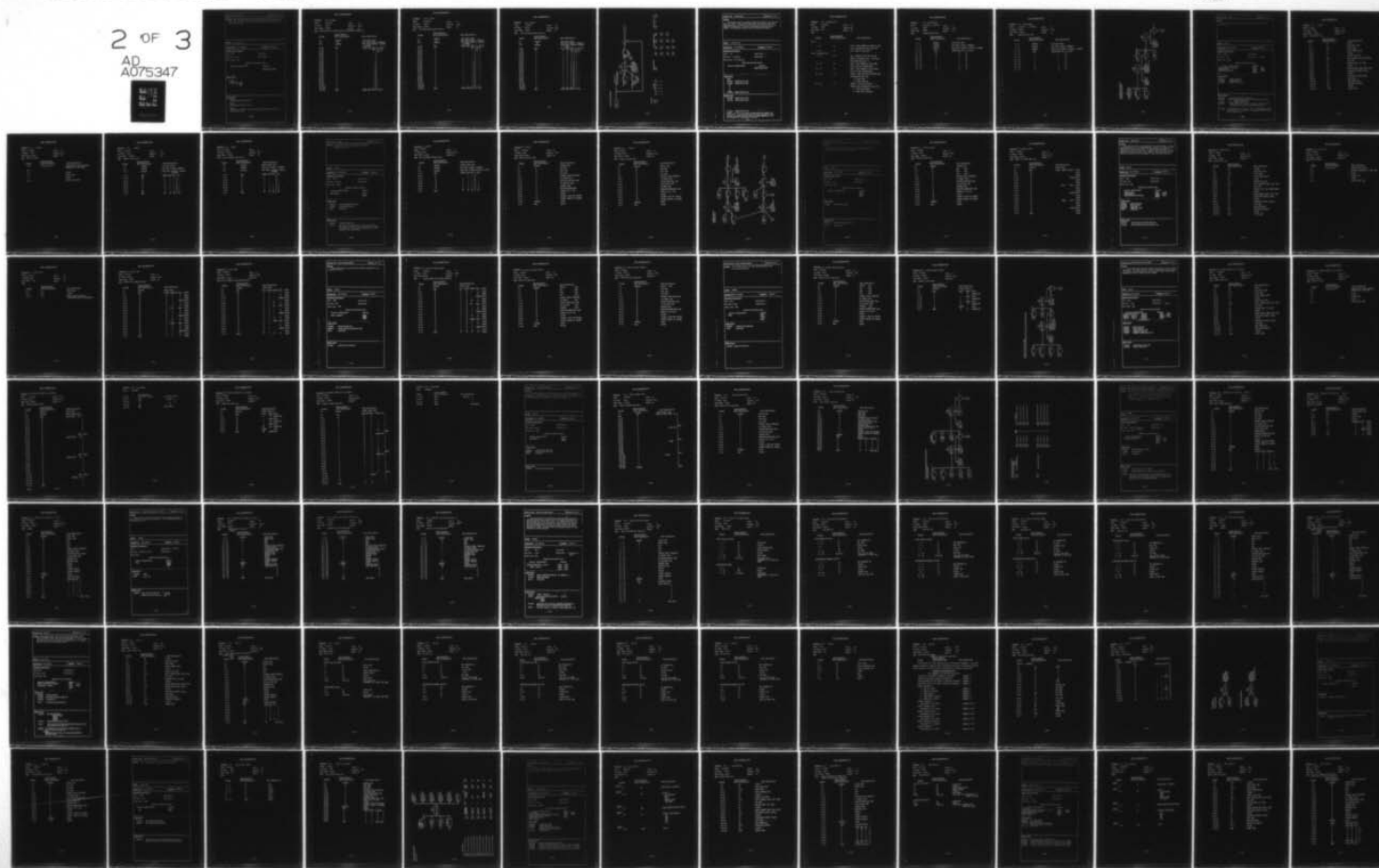
Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 4	↑ INTEGER ↓	FIPS STATE CODE
5 - 8		SEX CODE (1=MALE,2=FEMALE)
9 - 12		RACE CODE (1=WHITE,2=BLACK,3=OTHER)
13 - 16		POPULATION COUNT FOR LT 1 YR OLD
17 - 20		FOR 1 YR OLD
21 - 24		2
25 - 28		3
29 - 32		4
33 - 36		5
37 - 40		6
41 - 44		7
45 - 48		8
49 - 52		9
53 - 56		10
57 - 60		11
61 - 64		12
65 - 68		13
69 - 72		14
73 - 76		15
77 - 80		16
81 - 84		17
85 - 88		18
89 - 92		19
93 - 96		20
97 - 100		21
101 - 104		22
105 - 108		23
109 - 112		24

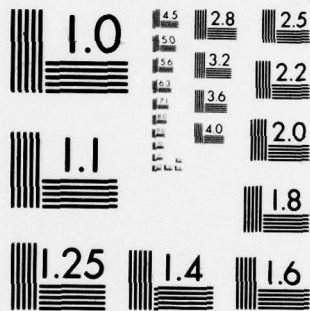


AD-A075 347    GENERAL RESEARCH CORP MCLEAN VA    F/0 15/5  
THE QUALIFIED MILITARY AVAILABLE PROJECTION SYSTEM. VOLUME II. --ETC(U)  
SEP 78 D F HUCK, A CREWS, G P SICA    MDA903-75-C-0204  
UNCLASSIFIED    GRC-CR-224-VOL-2    NL

2 OF 3

AD  
A075347





MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

Program name: AV.MORT

Program ID: P3-6

Purpose: This program computes average death rates from the death rates of 1970, 1972, and 1974. Computation is by state, sex, race and age 0-24 years. The average rates are stored on magnetic tape and disk as well as listed on sysout.

Author: Alison Crews

Computer/OS: IBM 370/HASP

Language: FORTRAN G

Estimated Requirements:

Core: 96K

Tape Drives: 2

CPU Time: 15 sec

Disk Drives: 1

Print Lines: 620

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)

External

FREAD/FWRITE/LEAVE

Input Files:

FT11FOO1  
DEATH.RATES.YR70  
" " YR72  
" " YR74

Output Files:

FT20FOO1  
AV.DEATH.RATES.STATE.YR70-74

FT21FOO1  
RES.AVRG.DEATH.RATES.YR70-74

SYSOUT  
INTERMEDIATE RESULTS - LIST OF AVERAGE DEATH RATES BY STATE, SEX,  
RACE, AND AGE 0-24

# FILE DOCUMENTATION

PROGRAM: P3-6 AV.MORT  
 FILE: FT11FOO1 LRECL: 112  
 IO TYPE: INPUT BLKSIZE: 4480  
 FILE TYPE: BINARY RECFM: FB  
 DSN: DEATH.RATES.YR70, DEATH.RATES.YR72, DEATH.RATES.YR74

Column	Format (EBCDIC) Data Type (Binary)	Data Description
1-4	INTEGER	FIPS STATE CODE
5-8	↑ INTEGER	SEX CODE (1=MALE, 2=FEMALE)
9-12	INTEGER	RACE CODE (1=WHITE, 2=BLACK 3=OTHER)
13-16	REAL	DEATH RATE FOR LT 1 YR OLD
17-20	↑	↑
21-24	↑	↑
25-28	↑	↑
29-32	↑	↑
33-36	↑	↑
37-40	↑	↑
41-44	↑	↑
45-48	↑	↑
49-52	↑	↑
53-56	↑	↑
57-60	↑	↑
61-64	↑	↑
65-68	↑	↑
69-72	↑	↑
73-76	↑	↑
77-80	↑	↑
81-84	↑	↑
85-88	↑	↑
88-92	↑	↑
93-96	↑	↑
97-100	↑	↑
101-104	↑	↑
105-108	↑	↑
109-112	REAL	DEATH RATE FOR 24 YR OLD



# FILE DOCUMENTATION

PROGRAM: P3-6 AV.MORT  
 FILE: FT20FO01 LRECL: 112  
 IO TYPE: OUTPUT BLKSIZE: 4480  
 FILE TYPE: BINARY RECFM: FB  
 DSN: AV.DEATH.RATES.STATE.YR70-74

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-4	INTEGER	FIPS STATE CODE
5-8	↑	SEX CODE(1=MALE, 2=FEMALE)
9-12	INTEGER	RACE CODE(1=WHITE, 2=BLACK, 3=OTHER)
13-16	REAL	DEATH RATE FOR LT 1 YR OLD
17-20	↑	↑
21-24	↑	FOR 1 YR OLD
25-28	↑	2 YR
29-32	↑	3
33-36	↑	4
37-40	↑	5
41-44	↑	6
45-48	↑	7
49-52	↑	8
53-56	↑	9
57-60	↑	10
61-64	↑	11
65-68	↑	12
69-72	↑	13
73-76	↑	14
77-80	↑	15
81-84	↑	16
85-88	↑	17
89-92	↑	18
93-96	↑	19
97-100	↑	20
101-104	↑	21
105-108	↑	22
109-112	REAL	23
		DEATH RATE FOR 24 YR OLD

# FILE DOCUMENTATION

PROGRAM: P3-6 AV.MORT

FILE: FT21FOOL

LRECL: 112

IO TYPE: OUTPUT

BLKSIZE: 4480

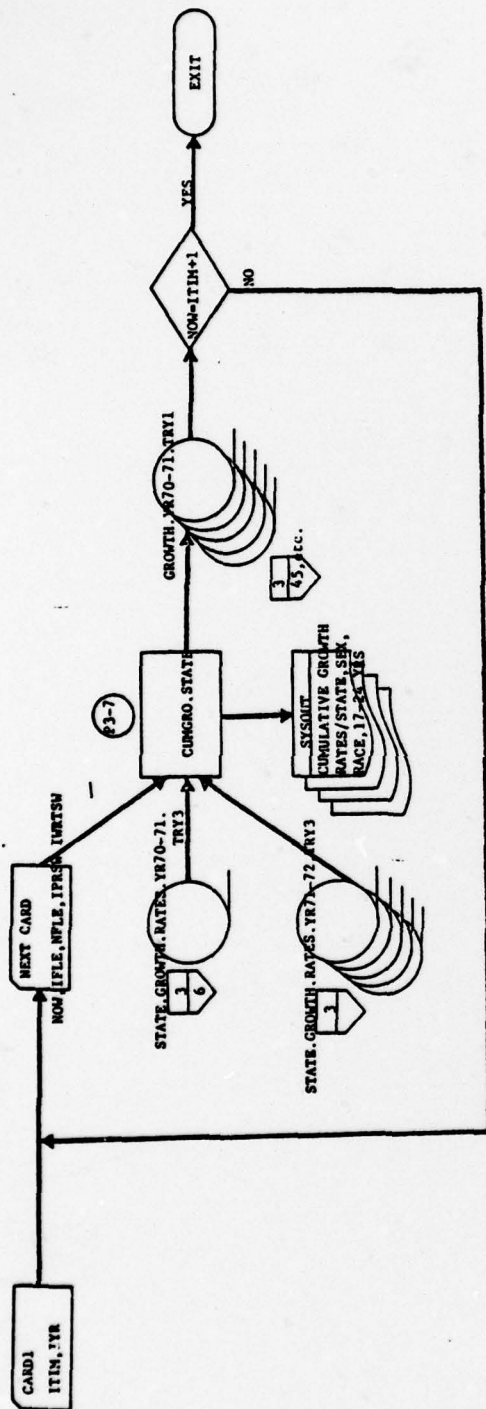
FILE TYPE: BINARY

RECFM: FB

DSN: RES.AVRG.DEATH.RATES.YR70-74

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-4	INTEGER	FIPS STATE CODE
5-8	↑	SEX CODE (1=MALE, 2=FEMALE)
9-12	INTEGER	RACE CODE (1=WHITE, 2=BLACK, 3=OTHER)
13-16	REAL	DEATH RATE FOR LT 1 YR OLD
17-20	↑	FOR 1 YR OLD
21-24	↑	2 YR
25-28	↑	3
29-32	↑	4
33-36	↑	5
37-40	↑	6
41-44	↑	7
45-48	↑	8
49-52	↑	9
53-56	↑	10
57-60	↑	11
61-64	↑	12
65-68	↑	13
69-72	↑	14
73-76	↑	15
77-80	↑	16
81-84	↑	17
85-88	↑	18
89-92	↑	19
93-96	↑	20
97-100	↑	21
101-104	↑	22
105-108	↑	23
109-112	REAL	DEATH RATE FOR 24 YR OLD

# CUMULATIVE STATE GROWTH RATES



## Input Cards

Card 1  
ITIM, IYR  
15 1970

## Next Card

NO? IFLE NFLE IPRSW IWRTSW  
2  
3  
:  
15

## Base Growth Rates

3 6

## Subsequent Growth Rates

3 9	3 11	3 14	3 16
3 22	3 25	3 27	3 29
3 31	3 33	3 35	3 37
3 39	3 41	3 43	

Cumulative Growth Rates  
70-76  
through  
3 45 3 60

Program name: CUNPRO.STATE

Program ID: P3-7

Purpose:

This program creates a cumulative growth rate by state, sex, race and ages 17-24 years. Using 1970-71 growth rates as the base, accumulation by multiplication is carried out until growth rates for the target year have been incorporated. Printing of intermediate results may be bypassed. Final cumulative growth rates for 1970-19YY are listed.

Author: Alison Crews

Computer/OS: IBM 370/Naap

Language: FORTRAN C

Estimated Requirements:

Core: 96

Tape Drives: 2

CPU Time: 25 seconds

Disk Drives: 1

Print Lines: 615 lines/year

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)

External

FREAD/LEAVE/FWRITE

Input Files:

SYSIN

FT10F001 GROWTH.YR70-71.TRY1

FT11F001 GROWTH.YR71-72.TRY1



FT20F001 GROWTH.YRXX-YY.TRY1

Output Files:

FT21F001 GROWTH.YR70-72.TRY1

FT22F001 GROWTH.YR70-73.TRY1

FT31F001 GROWTH.YR70-YY.TRY1

Comment: As JCL is now set up, accumulations only through 1981 can be done. If more accumulations are desired the input, output DD must be changed, bearing in mind that FREAD, FWRITE, etc., do not recognize file names greater than FT49.



# FILE DOCUMENTATION

PROGRAM: P3-7 CUMGRO.STATE  
 FILE: FT05F001 LRECL: 80  
 IO TYPE: INPUT BLKSIZE: 80  
 FILE TYPE: BCD RECFM: FB  
 DSN:

Column	Format (EBCDIC) Data Type (Binary)	Data Description
Card 1		
1 - 5	I5	ITIM - TOTAL NUMBER OF YEARS OF DATA TO BE ACCUMULATED PAST BASE FILE
6 - 10	I5	IYR - YEAR OF BASE DATA
Card 2 through ITIM		
1 - 5	I5	NOW - INDEX FOR NTH SET OF DATA ADDED TO ORIGINAL BASE. THE FIRST FILE ADDED HAS NOW = 2
6 - 10	I5	IFLE - FILE NUMBER OF TAPE INPUT FILE FOR THIS ACCUMULATION.
11 - 15	I5	NFLE - FILE NUMBER OF TAPE OUTPUT FILE FOR THIS ACCUMULATION
16 - 20	I5	IPRSW - PRINT SWITCH FOR GROWTH RATE ACCUMULATION THUS FAR 1 = PRINT DONE 2 = PRINT BYPASSED
21 - 25	I5	IWRISW - TAPE WRITE SWITCH GROWTH RATE ACCUMULATION THIS FAR 1 = TAPE WRITE DONE 2 = TAPE WRITE BYPASSED

# FILE DOCUMENTATION

PROGRAM: P3-7 CUMGRO.STATE  
 FILE: FT10F001,...FTYYF001 LRECL: 44  
 IO TYPE: INPUT BLKSIZE: 2640  
 FILE TYPE: BINARY RECFM: FB  
 DSN: GROWTH.YRXX-YY.TRY1

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 4	INTEGER	FIPS STATE CODE
5 - 8	INTEGER	SEX CODE (1=MALE, 2=FEMALE)
9 - 12	INTEGER	RACE CODE (1=WHITE, 2=BLACK, 3=OTHER)
13 - 16	REAL	GROWTH RATE FOR 17 YR OLD
17 - 20	↑	18
21 - 24	↑	19
25 - 28	↑	20
29 - 32	↑	21
33 - 36	↑	22
37 - 40	↑	23
41 - 44	↑	24

# FILE DOCUMENTATION

PROGRAM: P3-7 CUMGRO.STATE

FILE: FT21F001,....,FTZZF001

LRECL: 44

IO TYPE: OUTPUT

BLKSIZE: 2640

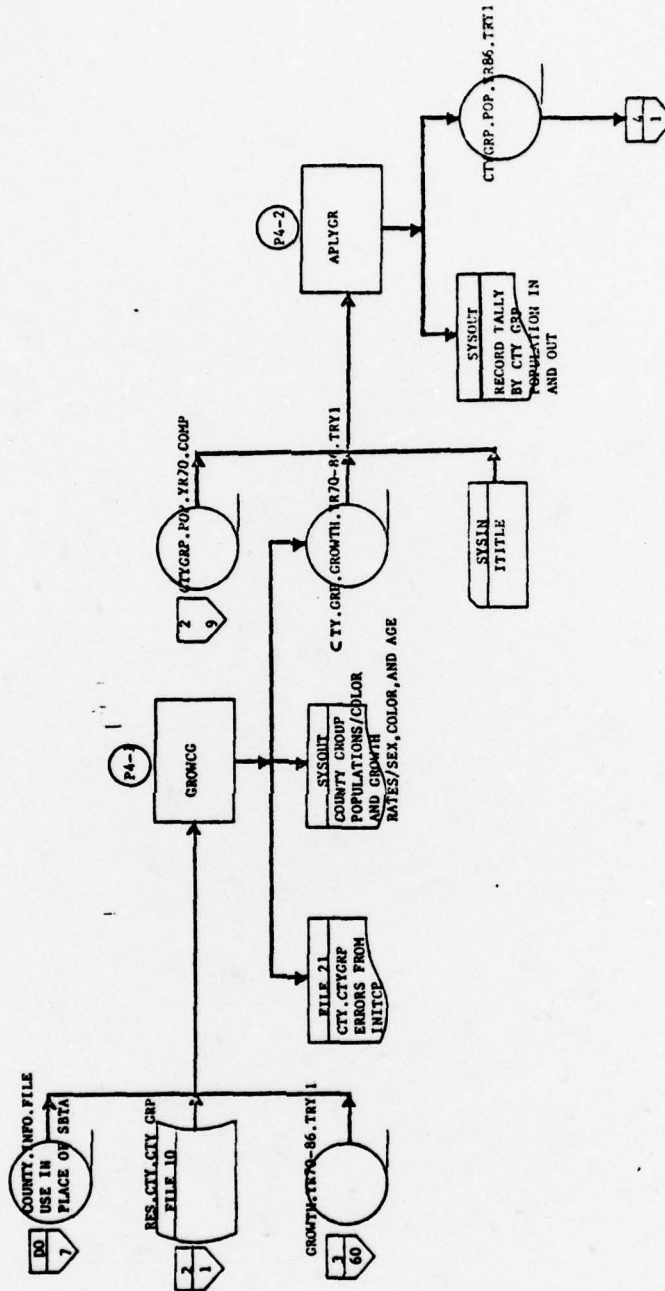
FILE TYPE: BINARY

RECFM: FB

DSN: GROWTH.YR70-YY.TRY1

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 4	INTEGER	FIPS STATE CODE
5 - 8	INTEGER	SEX CODE (1=MALE, 2=FEMALE)
9 - 12	INTEGER	RACE CODE (1=WHITE, 2=BLACK, 3=OTHER)
13 - 16	REAL	GROWTH RATE FOR 17 YR OLD
17 - 20	↓	18
21 - 24		19
25 - 28		20
29 - 32		21
33 - 36		22
37 - 40		23
41 - 44		24

DEVELOPMENT OF NA FILE FOR 1986  
AGE COUNTY GROUP PUS EXTRACT





Program name: GROWCG	Program ID: 14-1										
<u>Purpose:</u>  This program weights the state growth rates to give county group growth rates.											
<u>Author:</u> Unknown											
<u>Computer/OS:</u> IBM 370/IASP	<u>Language:</u> FORTRAN G										
<u>Estimated Requirements:</u>  <div style="display: flex; justify-content: space-between;"> <div>           Core: 120K            CPU Time: 2 MIN            Print Lines: 4000         </div> <div>           Tape Drives: 3            Disk Drives: 1 (2314)         </div> </div> <div style="text-align: center; margin-bottom: 10px;">Subroutine name/entry/entry...</div> <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left; width: 60%;">Internal (SOURCE/OBJECT)</th> <th style="text-align: left; width: 40%;">External</th> </tr> </thead> <tbody> <tr> <td>INITCP/CPOPSG/PRTCP(SOURCE)</td> <td>FREAD LEAVE</td> </tr> <tr> <td>RDCNTY(SOURCE)</td> <td>FWRITE DREAD</td> </tr> <tr> <td>UPDATE/RECALL(SOURCE)</td> <td>LISTI DWRITE</td> </tr> <tr> <td></td> <td>BNSCHI</td> </tr> </tbody> </table>		Internal (SOURCE/OBJECT)	External	INITCP/CPOPSG/PRTCP(SOURCE)	FREAD LEAVE	RDCNTY(SOURCE)	FWRITE DREAD	UPDATE/RECALL(SOURCE)	LISTI DWRITE		BNSCHI
Internal (SOURCE/OBJECT)	External										
INITCP/CPOPSG/PRTCP(SOURCE)	FREAD LEAVE										
RDCNTY(SOURCE)	FWRITE DREAD										
UPDATE/RECALL(SOURCE)	LISTI DWRITE										
	BNSCHI										
<u>Input Files:</u>  <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">FT09F001</td> <td>COUNTY.INFO.FILE*</td> </tr> <tr> <td>FT10F001</td> <td>RES.CTY.CTYGRP</td> </tr> <tr> <td>FT11F001</td> <td>GROWTH.YR70-86.TRY1</td> </tr> </table>		FT09F001	COUNTY.INFO.FILE*	FT10F001	RES.CTY.CTYGRP	FT11F001	GROWTH.YR70-86.TRY1				
FT09F001	COUNTY.INFO.FILE*										
FT10F001	RES.CTY.CTYGRP										
FT11F001	GROWTH.YR70-86.TRY1										
<u>Output Files:</u>  <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">FT21F001</td> <td>PRINT FILE-ERROR FILE FOR INITCP</td> </tr> <tr> <td>FT49F001</td> <td>&amp;ACCUM RANDOM ACCESS FILE USED TO ACCUMULATE DATA FOR THE ENTIRE COUNTY-GROUP</td> </tr> <tr> <td>FT20F001</td> <td>CTY.GRP.GROWTH.YR70-86.TRY1</td> </tr> <tr> <td>SYSOUT</td> <td>THIS FILE CONTAINS A TABLE OF THE COUNTY GROUP POPULATION COUNTS AND A TABLE OF THE COMPUTED GROWTH RATES</td> </tr> </table> <p>* COMMENT: USE COUNTY.INFO.FILE IN PLACE OF SBTA. THIS REQUIRES A CHANGE IN THE LRECL TO 140. THE FIRST 120 CHARACTERS OF COUNTY.INFO. FILE ARE THE SBTA DATA.</p>		FT21F001	PRINT FILE-ERROR FILE FOR INITCP	FT49F001	&ACCUM RANDOM ACCESS FILE USED TO ACCUMULATE DATA FOR THE ENTIRE COUNTY-GROUP	FT20F001	CTY.GRP.GROWTH.YR70-86.TRY1	SYSOUT	THIS FILE CONTAINS A TABLE OF THE COUNTY GROUP POPULATION COUNTS AND A TABLE OF THE COMPUTED GROWTH RATES		
FT21F001	PRINT FILE-ERROR FILE FOR INITCP										
FT49F001	&ACCUM RANDOM ACCESS FILE USED TO ACCUMULATE DATA FOR THE ENTIRE COUNTY-GROUP										
FT20F001	CTY.GRP.GROWTH.YR70-86.TRY1										
SYSOUT	THIS FILE CONTAINS A TABLE OF THE COUNTY GROUP POPULATION COUNTS AND A TABLE OF THE COMPUTED GROWTH RATES										

# FILE DOCUMENTATION

PROGRAM: P4-1 GROWCG

FILE: FT09F001

LRECL: 140

IO TYPE: INPUT

BLKSIZE: 7000

FILE TYPE: EBCDIC

RECFM: FB

DSN: COUNTY.INFO.FILE

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	2X	FILLER
3-4	I2	FIPS STATE CODE
5-21	17A1	STATE NAME
22-23	A2	STATE ABBREVIATION
24-27	4X	FILLER
28-30	I3	COUNTY FIPS CODE
31-62	32A1	BASIC TRADING AREA (BTA)NAME
63-66	I4	BTA CODE
67-70	A4	TRADING AREA (TA) ARBR
71-72	2X	FILLER
73-75	I3	MAJOR TRADING AREA (MTA) CODE
76-85	I10	POPULATION COUNTS (TOTAL)
86-87	2X	FILLER
88-94	I7	POPULATION COUNTS(BLACK)
95-103	I8	LAND AREA
104-112	I9	QMA POPULATION
113-120	F8.2	POPULATION DENSITY
121-122	2X	FILLER
123-140	18A1	COUNTY NAME

# FILE DOCUMENTATION

PROGRAM: P4-1 GROWCG

FILE: FT10F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: EBCDIC

RECFM: FB

DSN: RES.CTY.CTYGRP

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-70	5(3X,I5,1X,I5)	COUNTY-COUNTY GROUP MAPPINGS (MAXIMUM OF 5 PER CARD)
e.g.		
1-3		FILLER
4-8		COUNTY CODE
9		FILLER
10-14		COUNTY GROUP CODE

# FILE DOCUMENTATION

PROGRAM: P4-1 GROWCG

FILE: FT11F001

LRECL: 44

IO TYPE: INPUT

BLKSIZE: 2640

FILE TYPE: BINARY

RECFM: FB

DSN: GROWTH.YR70-86.TRY1

Column	Format (EBCDIC) Data Type (Binary)	Data Description
1-4	INTEGER	FIPS STATE CODE
5-8	INTEGER	SEX CODE (1=MALE, 2=FEMALE)
9-12	INTEGER	RACE CODE (1=WHITE, 2=BLACK, 3=OTHER)
13-16	REAL	GROWTH RATE FOR 17 YR.
17-20	↑	18
21-24	↑	19
25-28	↑	20
29-32	↑	21
33-36	↑	22
37-40	↓	23
41-44	REAL	24



# FILE DOCUMENTATION

PROGRAM: P4-1 GROWCG

FILE: FT20F001

LRECL: 44


IO TYPE: OUTPUT

BLKSIZE: 2640

FILE TYPE: BINARY

RECFM: FB

DSN: CTY.GRP.GROWTH.YR70-86.TRY1

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-4	INTEGER	COUNTY GROUP CODE
5-8	INTEGER	SEX CODE (1=MALE, 2=FEMALE)
9-12	INTEGER	RACE CODE (1=WHITE, 2=BLACK, 3=OTHER)
13-16	REAL	GROWTH RATE FOR 17-YR.
17-20		18
21-24		19
25-28		20
29-32		21
33-36		22
37-40		23
41-44		24
	REAL	

Program name: APLYGR		Program ID: P4-2
<u>Purpose:</u> This program applies the county group cumulative growth rates to the base population to give the projected population.		
<u>Author:</u> Unknown		
<u>Computer/OS:</u> IBM 370/HASP		<u>Language:</u> FORTRAN G
<u>Estimated Requirements:</u>		
Core: 100 K	Tape Drives: 3	
CPU Time: 2 minutes	Disk Drives: 1	
Print Lines: 1000		
Subroutine name/entry/entry...		
Internal (SOURCE/OBJECT)	External	
GRWTH(SOURCE)	FREAD	
	FWRITE	
<u>Input Files:</u>		
FT09F001	CTY.GRP.GROWTH.YR70-86.TRY1	
FT10F001	CTYGRP.POP.YR70.COMP	
SYSIN	TITLE CARD	
<u>Output Files:</u>		
FT20F001	CTYGRP.POP.YR86.TRY1	
SYSOUT	This file lists summary data for the run including the number of records for each county group, the number of records read, the number of records written, input population, and minimum weight.	
2-105		

# FILE DOCUMENTATION

PROGRAM: P4~2 APLYGR

FILE: FT09F001

IO TYPE: INPUT

FILE TYPE: BINARY

DSN: CTY.GRP.GROWTH.YR70-86.TRY1

LRECL: 44

BLKSIZE: 2640

RECFM: FB

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-4	INTEGER	COUNTY GROUP CODE
5-8	INTEGER	SEX CODE (1=MALE, 2=FEMALE)
9-12	INTEGER	RACE CODE (1=WHITE, 2=BLACK, 3=OTH)
13-16	REAL	GROWTH RATE FOR 17 YEAR
17-20	↑ ↓	18
21-24		19
25-28		20
29-32		21
33-36		22
37-40		23
41-44		24
	REAL	

# FILE DOCUMENTATION

PROGRAM: P4-2 APLYGR

FILE: FT10F001

LRECL: 40

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: BINARY

RECFM: FB

DSN: CTYGRP.POP.YR70.TRY1

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	INTEGER	REGION CODE
3-4		SEX CODE
5-6		RACE CODE
7-8		AGE CODE
9-10		HIGHEST GRADE COMPLETED
11-12		IN SCHOOL CODE
13-14		INSTITUTIONALIZED CODE
15-16		IN MILITARY CODE
17-18		VETERAN CODE
19-20		EMPLOYED/UNEMPLOYED
21-22		SAMPLE (5% or 15%)
23-24		FILLER
25-28		INCOME (# WHO HAD INCOME)
29-32		INCOME (AMOUNT OF INCOME)
33-36	INTEGER	COUNT
37-40	REAL	WEIGHT



# FILE DOCUMENTATION

PROGRAM: P4-2 APLYGR

FILE: FT20F001

LRECL: 40

IO TYPE: OUTPUT

BLKSIZE: 7200

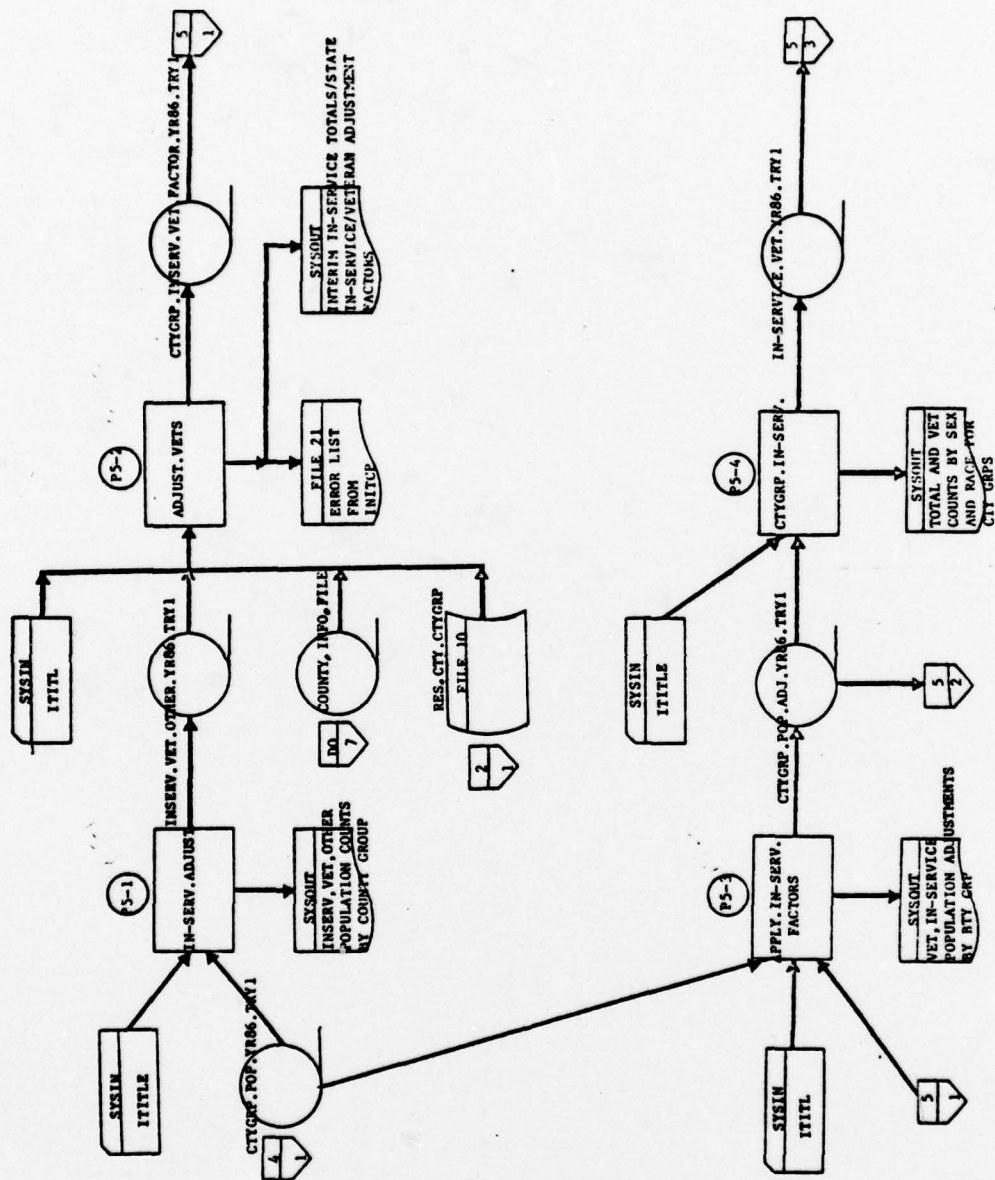
FILE TYPE: BINARY

RECFM: FB

DSN: CTGGRP.POP.YR86.TRY1

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	INTEGER	REGION CODE
3-4	↑ ↓	SEX CODE
5-6		RACE CODE
7-8		AGE CODE
9-10		HIGHEST GRADE COMPLETED
11-12		IN SCHOOL CODE
13-14		INSITUTIONALIZED CODE
15-16		IN MILITARY CODE
17-18		VETERAN CODE
19-20		EMPLOYED/UNEMPLOYED CODE
21-22		SAMPLE (5% or 15%)
23-24		FILLER
25-28		INCOME(# WHO HAD INCOME)
29-32		INCOME (AMOUNT OF INCOME)
33-36	INTEGER	COUNT
37-40	REAL	WEIGHT

DEVELOPMENT OF QMA FILE  
VETERANS ADJUSTMENT



Program name: IJ-SERV ADJUST

Program ID: P5-1

Purpose:

This program extracts counts for inservice, veteran, and other by county group, race, and sex. The counts are written on tape and a summary table is also printed for reference.

Author: Unknown

Computer/OS: IBM 370/HASP

Language: FORTRAN G

Estimated Requirements:

Core: 100K

Tape Drives: 2

CPU Time: 1 MIN

Disk Drives: 1

Print Lines: 1000

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)

External

FREAD

FWRITE

LEAVE

Input Files:

FT10F001 CTYGRP.POP.YR86.TRY1

Output Files:

FT20F001 INSERV.VET.OTHER.YR86.TRY1

SYSOUT SUMMARY FILE

# FILE DOCUMENTATION

PROGRAM: P5-1 IN-SERV.ADJUST

FILE: FT10F001

LRECL: 40

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: BINARY

RECFM: FB

DSN: CTYGRP.POP.YR86.TRY1

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	INTEGER	REGION CODE
3-4		SEX CODE
5-6		RACE CODE
7-8		AGE CODE
9-10		HIGHEST GRADE COMPLETED
11-12		IN SCHOOL CODE
13-14		INSTITUTIONALIZED CODE
15-16		IN MILITARY CODE
17-18		VETERAN CODE
19-20		EMPLOYED/UNEMPLOYED CODE
21-22		SAMPLE (5% OR 15%)
23-24		FILLER
25-28		INCOME (# WHO HAD INCOME)
29-32		INCOME (AMOUNT OF INCOME)
33-36	INTEGER	COUNT
37-40	REAL	WEIGHT



# FILE DOCUMENTATION

PROGRAM: P5-1 INSERV.ADJUST

FILE: FT20F001

IO TYPE: OUTPUT

FILE TYPE: BINARY

DSN: INSERV.VET.OTHER.YR86.TRY1

LRECL: 76

BLKSIZE: 7600

RECFM: FB

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-4	INTEGER	REGION CODE
5-8	REAL	COUNTS INSERVICE MALE WHITE
9-12		BLACK
13-16		OTHER
17-20		FEMALE WHITE
21-24		BLACK
25-28		OTHER
29-32		VETS MALE WHITE
33-36		BLACK
37-40		OTHER
41-44		FEMALE WHITE
45-48		BLACK
49-52		OTHER
53-56		OTHER MALE WHITE
57-60		BLACK
61-64		OTHER
65-68		FEMALE WHITE
69-72		BLACK
73-76	REAL	OTHER

Program name: ADJUST.VETS

Program ID: P5-2

Purpose:

This program converts state marginals to fit county groups. It adjusts current population to fit several marginals. Finally, it computes adjustment factors for each county group. The printed output includes the adjusted in-service totals by state, a summary from the marginal adjustment routine, and finally, a table of the counts for in-service, veterans, and other, both before and after adjustment by race, sex, and county group.

Author: Unknown

Computer/OS: IBM 370/HASP

Language: FORTRAN G

Estimated Requirements:

Core: 100K

Tape Drives: 2

CPU Time: 2 MIN

Disk Drives: 1

Print Lines: 4000

Subroutine name/entry/entry.

Internal (SOURCE/OBJECT)

External

RDCNTY(SOURCE)

LISTI

REWIND

ADJMRG(SOURCE)

BNSCHZ

FWRITE

INITCP/COPSG/PRTCP(SOURCE)

SORTIX

LEAVE

FREAD

Input Files:

FT09F001	COUNTY.INFO.FILE
FT10F001	RES.CTY.CTYGRP
FT11F001	CARD INPUT
FT12F001	INSERV.VET.OTHER
SYSIN	TITLE CARD

Output Files:

FT20F001	CTYGRP.INSERV.VET.FACTOR.YR86.TRY1
FT21F001	ERROR MESSAGES FROM INITCP(PRINT FILE)

# FILE DOCUMENTATION

PROGRAM: P5-2 ADJUST.VETS

FILE: FT09F001

IO TYPE: INPUT

FILE TYPE: EBCDIC

DSN: COUNTY.INFO.FILE

LRECL: 140

BLKSIZE: 7000

RECFM: FB

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	2X	FILLER
3-4	I2	FIPS STATE CODE
5-21	17A1	STATE NAME
22-23	A2	STATE ABBREVIATION
24-27	4X	FILLER
28-30	I3	COUNTY FIPS CODE
31-62	32A1	BASIC TRAINING AREA (BTA) NAME
63-66	I4	BTA CODE
67-70	A4	TRADING AREA (TA) ABBREVIATION
71-72	2X	FILLER
73-75	I3	MAJOR TRADING AREA (MTA) CODE
76-85	I10	POPULATION COUNTS (TOTAL)
86-87	2X	FILLER
88-94	I7	POPULATION COUNTS (BLACK)
95-103	I8	LAND AREA
104-112	I9	QMA POPULATION
113-120	F8.2	POPULATION DENSITY
121-122	2X	FILLER
123-140	18A1	COUNTY NAME

# FILE DOCUMENTATION

PROGRAM: P5-2 ADJUST.VETS

FILE: FT10F001

IO TYPE: INPUT

FILE TYPE: EBCDIC

DSN: RES.CTY.CTYGRP

LRECL: 80

BLKSIZE: 7200

RECFM: FB

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-70	5(3X,I5,1X,I5)	COUNTY-COUNTY GROUP
e.g.		MAPPINGS (MAXIMUM OF 5 PER CARD)
1-3		FILLER
4-8		COUNTY CODE
9		FILLER
10-14		COUNTY GROUP CODE



# FILE DOCUMENTATION

PROGRAM: P5-2 ADJUST.VETS

FILE: FT11F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 80

FILE TYPE: BCD

RECFM: FB

DSN:

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	I2	STATE CODE
3-24	22X	FILLER
25-30	F6.0	TOTAL STATE IN SERVICE (PROJECTED-PRIOR TO ADJUSTMENT)

# FILE DOCUMENTATION

PROGRAM:P5-2 ADJUST.VETS

FILE: FT12F001

LRECL: 76

IO TYPE: OUTPUT

BLKSIZE: 7600

FILE TYPE: BINARY

RECFM: FB

DSN: INSEV.VET.OTHER.YR86.TRY1

Column	Format(EBCDIC) Data Type(Binary)	Data Description			
1-4	INTEGER	REGION CODE			
5-8	REAL	COUNTS	INSERVICE	MALE	WHITE
9-12	↓	↓	↓		BLACK
13-16					OTHER
17-20				FEMALE	WHITE
21-24					BLACK
25-28					OTHER
29-32			VETS	MALE	WHITE
33-36			↓		BLACK
37-40					OTHER
41-44				FEMALE	WHITE
45-48			↓		BLACK
49-52					OTHER
53-56				MALE	WHITE
57-60		OTHER	↓		BLACK
61-64					OTHER
65-68				FEMALE	WHITE
69-72					BLACK
73-76	REAL				OTHER

# FILE DOCUMENTATION

PROGRAM: P5-2 ADJUST.VETS

FILE: FT20F001

LRECL: 76

IO TYPE: OUTPUT

BLKSIZE: 7600

FILE TYPE: BINARY

RECFM: FB

DSN: CTYGRP.INSERV.VET.FACTOR.YR86.TRY1

Column	Format (EBCDIC) Data Type (Binary)	Data Description				
1-4	INTEGER	REGION CODE				
5-8	REAL	ADJ.	FACTOR	INSERV	MALE	WHITE
9-12	↑ ↓	↓	↓	↓	↓	BLACK
13-16						OTHER
17-20						FEMALE WHITE
21-24						BLACK
25-28						OTHER
29-32						VET MALE WHITE
33-36						BLACK
37-40						OTHER
41-44						FEMALE WHITE
45-48						BLACK
49-52						OTHER
53-56						OTHER MALE WHITE
57-60						BLACK
61-64						OTHER
65-68						FEMALE WHITE
69-72						BLACK
73-76						OTHER

Program name: APPLY.IN-SERV.FACTORS

Program ID: P5-3

Purpose:

This program applies the veteran and in-service adjustments to the 40 character record.

Author: Unknown

Computer/OS: IBM 370/HASP

Language: FORTRAN G

Estimated Requirements:

Core: 100K

Tape Drives: 3

CPU Time: 2 MIN

Disk Drives: 1

Print Lines: 1000

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)

External

ADJUST (SOURCE)

FREAD  
FWRITE  
LEAVE

Input Files:

FT10F001 CTYGRP.POP.YR86.TRY1

FT09F001 CTYGRP.INSERV.VET.FACTOR.YR86.TRY1

SYSLN TITLE CARD

Output Files:

FT20F001 CTYGRP.POP.ADJ.YR86.TRY1



# FILE DOCUMENTATION

PROGRAM: P5-3 APPLY.IN-SERV.FACTORS

FILE: FT09F001

LRECL: 76

IO TYPE: INPUT

BLKSIZE: 7600

FILE TYPE: BINARY

RECFM: FB

DSN: CTYGRP.INSERV.VET.FACTOR.YR86.TRY1

Column	Format(EBCDIC) Data Type(Binary)	Data Description			
1-4	INTEGER	REGION CODE			
5-8	REAL	ADJ. FACTOR	INSERV	MALE	WHITE
9-12	↓	↓	↓	↓	BLACK
13-16				FEMALE	OTHER
17-20				↓	WHITE
21-24				↓	BLACK
25-28				↓	OTHER
29-32			VET	MALE	WHITE
33-36			↓	↓	BLACK
37-40				↓	OTHER
41-44				FEMALE	WHITE
45-48				↓	BLACK
49-52				↓	OTHER
53-56				OTHER	MALE
57-60				↓	WHITE
61-64				↓	BLACK
65-68				FEMALE	OTHER
69-72				↓	WHITE
73-76	REAL			↓	BLACK
				↓	OTHER

# FILE DOCUMENTATION

PROGRAM: P5-3 APPLY.IN-SERV.FACTORS

FILE: FT10FOO1

LRECL: 40

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: BINARY

RECFM: FB

DSN: CTYGRP.POP.YR86.TRY1

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	INTEGER	REGION CODE
3-4		SEX CODE
5-6		RACE CODE
7-8		AGE CODE
9-10		HIGHEST GRADE COMPLETED
11-12		IN SCHOOL CODE
13-14		INSTITUTIONALIZED CODE
15-16		IN MILITARY CODE
17-18		VETERAN CODE
19-20		EMPLOYED/UNEMPLOYED CODE
21-22		SAMPLE (5% OR 15%)
23-24		FILLER
25-28		INCOME (# WHO HAD INCOME)
29-32		INCOME (AMOUNT OF INCOME)
33-36	INTEGER	COUNT
37-40	REAL	WEIGHT

# FILE DOCUMENTATION

PROGRAM: P5-3 APPLY.IN-SERV.FACTORS

FILE: FT20F001

LRECL: 40


IO TYPE: OUTPUT

BLKSIZE: 7200

FILE TYPE: BINARY

RECFM: FB

DSN: CTYGRP.POP.ADJ.YR86.TRY1

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	 INTEGER	REGION CODE
3-4		SEX CODE
5-6		RACE CODE
7-8		AGE CODE
9-10		HIGHEST GRADE COMPLETED
11-12		IN SCHOOL CODE
13-14		INSTITUTIONALIZED CODE
15-16		IN MILITARY CODE
17-18		VETERAN CODE
19-20		EMPLOYED/UNEMPLOYED CODE
21-22		SAMPLE (5% OR 15%)
23-24		FILLER
25-28		INCOME (# WHO HAD INCOME)
29-32		INCOME (AMOUNT OF INCOME)
33-36	INTEGER	COUNT
37-40	REAL	WEIGHT

Program name: CTYGRP.IN-SERV.FACTORS

Program ID: P5-4

Purpose: This Program extracts the county group population count  
for in-service/veteran.

Author: UNKNOWN

Computer/OS: IBM 370/HASP

Language: FORTRAN C

Estimated Requirements:

Core: 100 K

Tape Drives: 2

CPU Time: 1 minute

Disk Drives: 1

Print Lines: 1000

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)

NONE

External

FREAD

FWRITE

LEAVE

Input Files:

FT10F001 CTYGRP.POP.ADJ.YR86.TRY1

SYSIN TITLE CARD

Output Files:

FT20F001 INSERV.VET.YR86.TRY1



# FILE DOCUMENTATION

PROGRAM: p5-4 CTYGRP.INSERV.FACTORS

FILE: FT10F001

LRECL: 40

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: BINARY

RECFM: FB

DSN: CTYGRP.POP.ADJ.YR86.TRY1

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	INTEGER	REGION CODE
3-4		SEX CODE
5-6		RACE CODE
7-8		AGE CODE
9-10		HIGHEST GRADE COMPLETED
11-12		IN SCHOOL CODE
13-14		INSTITUTIONALIZED CODE
15-16		IN MILITARY CODE
17-18		VETERAN CODE
19-20		EMPLOYED/UNEMPLOYED CODE
21-22		SAMPLE (5% OR 15%)
23-24		FILLER
25-28		INCOME (# WHO HAD INCOME)
29-32		INCOME (AMOUNT OF INCOME)
33-36	INTEGER	COUNT
37-40	REAL	WEIGHT

# FILE DOCUMENTATION

PROGRAM: P5-4 CTYGRP,INSERV,FACTORS

FILE: FT20F001

LRECL: 36

IO TYPE: OUTPUT

BLKSIZE: 7200

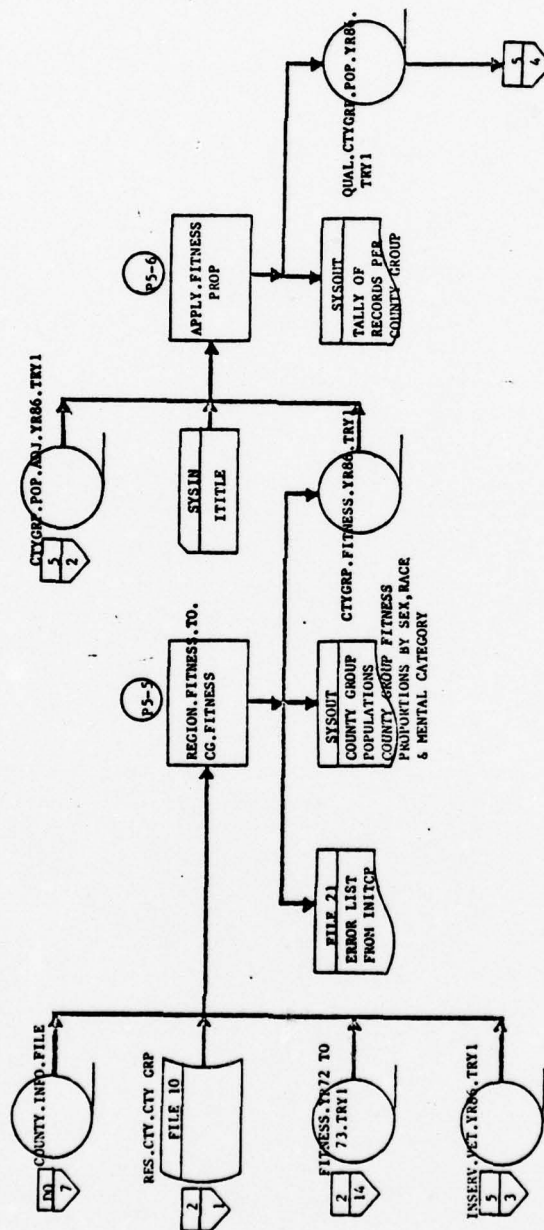
FILE TYPE: BINARY

RECFM: FB

DSN: INSERV.VET.YR86.TRY1

Column	Format (EBCDIC) Data Type (Binary)	Data Description
1-4	INTEGER	COUNTY GROUP ID
5-8	REAL	MALES WHITE TOTAL
9-12	↑	↓ INSERV/VET
13-16	↑	BLACK TOTAL
17-20	↑	↓ INSERV/VET
21-24	↑	OTHER TOTAL
25-28	↑	↓ INSERV/VET
29-32	↓	FEMALE TOTAL
33-36	REAL	↓ INSERV/VET

DEVELOPMENT OF QVA FILE (continued)  
 TRANSFORM REGIONAL FITNESS TO COUNTY GROUP FITNESS AND QUALIFY COUNTY GROUP POPULATIONS



Program name: REGION.FITNESS.TO.CG.FITNESS

Program ID: P5-5

Purpose:

This program weights regional fitness proportions to give county-group proportions. Two sets of data are printed for references; -first, a table of counts by county group and race, then a table of county group fitness proportions by race for males and total females.

Author: Unknown

Computer/OS: IBM 370/HASP

Language: FORTRAN C

Estimated Requirements:

Core: 125K

Tape Drives: 3

CPU Time: 1 MIN

Disk Drives: 1 (2314)

Print Lines: 4000

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)		External
INITCP/CPOPSG/PRTCP(S)	NYREG(S)	LIST1: FWRITE
RDCNTY(S) MIREG(S)	WAREG(S)	FREAD DREAD
OHREG(S) CAREG(S)	MAREG(S)	BNSCHI: DWRITE
PARREG(S) ILREG(S)	TXREG(S)	LEAVE
UPDATE/RECALL(S)		

Input Files:

FT09F001	COUNTY.INFO.FILE
FT10F001	RES.CTY.CTYGRP
FT11F001	FITNESS.YR72TO73.TRY1
FT12F001	INSERV.VET.YR86.TRY1
FT49F001	TEMPORARY RANDOM ACCESS FILE

Output Files:

FT21F001	ERROR MESSAGE FOR INITCP
FT20F001	CTYGRP.FITNESS.YR86



# FILE DOCUMENTATION

PROGRAM: P5-5 REGION.FITNESS.TO.CG.FITNESS

FILE: FTO9F001

LRECL: 140

IO TYPE: INPUT

BLKSIZE: 7000

FILE TYPE: EBCDIC

RECFM: FB

DSN: COUNTY.INFO.FILE

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	2X	FILLER
3-4	I2	FIPS STATE CODE
5-21	17A1	STATE NAME
22-23	A2	STATE ABBREVIATION
24-27	4X	FILLER
28-30	I3	COUNTY FIPS CODE
31-62	32A1	BASIC TRADING AREA (BTA) NAME
63-66	I4	BTA CODE
67-70	A4	TRADING AREA (TA) ABBR.
71-72	2X	FILLER
73-75	I3	MAJOR TRADING AREA (MTA) CODE
76-85	I10	POPULATION COUNTS (TOTAL)
86-87	2X	FILLER
88-94	I7	POPULATION COUNTS (BLACK)
95-103	I8	LAND AREA
104-112	I9	QMA POPULATION
113-120	F8.2	POPULATION DENSITY
121-122	2X	FILLER
123-140	18A1	COUNTY NAME

# FILE DOCUMENTATION

PROGRAM: P5-5 REGION.FITNESS.TO.CG.FITNESS

FILE: FT10F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: EBCDIC

RECFM: FB

DSN: RES.CTY.CTYGRP

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-70	5(3X,I5,I5)	COUNTY-COUNTY GROUP MAPPINGS (MAXIMUM OF 5 PER CARD)
e.g.		
1-3		FILLER
4-8		COUNTY CODE
9		FILLER
10-14		COUNTY GROUP CODE

# FILE DOCUMENTATION

PROGRAM: P5-5 REGION.FITNESS.TO.CG.FITNESS

FILE: FT11F001

LRECL: 136

IO TYPE: INPUT

BLKSIZE: 2720

FILE TYPE: BINARY

RECFM: FB

DSN: FITNESS.YR72TO73.TRY1

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-4	INTEGER	STATE CODE
5-8	INTEGER	STATE ABBREVIATION
9-12	REAL	WHITE MALES CAT 1
13-16		2
17-20		3
21-24		4
25-28		5
29-32		6
33-36		7
37-40		PHYS UNFIT
41-44		BLACK MALES CAT 1
45-48		2
49-52		3
53-56		4
57-60		5
61-64		6
65-68		7
69-72		PHYS UNFIT
73-76		OTHER MALES CAT 1
77-80		2
81-84		3
85-88		4
89-92		5
93-96		6
97-100		7
101-104		PHYS UNFIT
105-108		FEMALES CAT 1
109-112		2
113-116		3
117-120	REAL	4

(CONT)

2-130

PROGRAM: P5-5 continued

FILE: FT11F001

Column	Format (EBCDIC) Data Type (Binary)	Data Description
121-124	REAL	MEN.CAT. 5
125-128	↑	↓ 6
129-132	↓	7
133-136	REAL	PHYS UNFIT



# FILE DOCUMENTATION

PROGRAM: P5-5 REGION.FITNESS.TO.CG.FITNESS

FILE: FT12F001

LRECL: 36

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: BINARY

RECFM: FB

DSN: INSERV.VET.YR86.TRY1

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-4	INTEGER	COUNTY GROUP ID
5-8	REAL	MALES WHITE TOTAL
9-12		INSERV/VET
13-16		BLACK TOTAL
17-20		INSERV/VET
21-24		OTHER TOTAL
25-28		INSERV/VET
29-32		FEMALE TOTAL
33-36	REAL	INSERV/VET

# FILE DOCUMENTATION

PROGRAM:P5-5 REGION.FITNESS.TO.CG.FITNESS

FILE: FT20F001

LRECL: 132

IO TYPE: OUTPUT

BLKSIZE:2640

FILE TYPE: BINARY

RECFM:FB

DSN: CTYGRP.FITNESS.YR86.TRY1

Column	Format(EBCDIC) Data Type(Binary)	Data Description			
1-4	INTEGER	COUNTY GROUP CODE			
5-8	REAL	RATE FOR MALE	WHITE CAT	1	
9-12				2	
13-16				3	
17-20				4	
21-24				5	
25-28				6	
29-32				7	
33-36				UNFIT	
37-40			BLACK CAT	1	
41-44				2	
45-48				3	
49-52				4	
53-56				5	
57-60				6	
61-64				7	
65-68				UNFIT	
69-72			OTHER CAT	1	
73-76				2	
77-80				3	
81-84				4	
85-88				5	
89-92				6	
93-96				7	
97-100				UNFIT	
101-104		FEMALE		1	
105-108				2	
109-112				3	
113-116	REAL			4	

PROGRAM: P5-5 continued

FILE: FT20F001

Column	Format (EBCDIC) Data Type(Binary)	Data Description
117-120	REAL	MEN.CAT. 5
121-124	REAL	6
125-128	REAL	7
129-132	REAL	PHYS.UNFIT

Program name: APPLY.FITNESS.PROP

Program ID: P5-6

Purpose:

This program applies the fitness proportions to the adjusted projected population. The resulting tape file contains a weight for each mental category and for physically unfit. A list of the number of records processed for each county group is printed along with their summary data.

Author: Unknown

Computer/OS: IBM 370/HASP

Language: FORTRAN G

Estimated Requirements:

Core: 100K

Tape Drives: 3

CPU Time: 2 minutes

Disk Drives: 1

Print Lines: 1000

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)  
QUAL(SOURCE)

External  
FREAD  
FWRITE

Input Files:

FT09F001	CTYGRP.FITNESS.YR86.TRY1
FT10F001	CTYGRP.POP.ADJ.YR86.TRY1
SYSIN	TITLECARD

Output Files:

FT20F001	QUAL.CTYGRP.POP.YR86.TRY1
----------	---------------------------



# FILE DOCUMENTATION

PROGRAM: P5-6 APPLY.FITNESS.PROP

FILE: FT09F001

LRECL: 132

IO TYPE: INPUT

BLKSIZE: 2640

FILE TYPE: BINARY


RECFM: FB

DSN: CTYGRP.FITNESS.YR86.TRY1

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-4	<div>↑</div> <div>INTEGER</div> <div>↓</div>	COUNTY GROUP CODE
5-8		RATE FOR MALE WHITE CAT 1
9-12		2
13-16		3
17-20		4
21-24		5
25-28		6
29-32		7
33-36		UNFIT
37-40		BLACK CAT 1
41-44		2
45-48		3
49-52		4
53-56		5
57-60		6
61-64		7
65-68		UNFIT
69-72		OTHER 1
73-76		2
77-80		3
81-84		4
85-88		5
89-92		6
93-96		7
97-100		UNFIT
101-104		FEMALE 1
105-108		2
109-112		3
113-116		4
117-120		5
121-124		6
125-128		7
129-132	INTEGER	UNFIT

# FILE DOCUMENTATION

PROGRAM: P5-6      APPLY.FITNESS.PROP  
 FILE: FT10F001      LRECL: 40  
 IO TYPE: INPUT      BLKSIZE: 7200  
 FILE TYPE: BINARY      RECFM: FB  
 DSN: CTYGRP.POP.ADJ.YR86.TRY1

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	INTEGER  REAL	REGION CODE
3-4		SEX CODE
5-6		RACE CODE
7-8		AGE CODE
9-10		HIGHEST GRADE COMPLETED
11-12		IN SCHOOL CODE
13-14		INSTITUTIONALIZED CODE
15-16		IN MILITARY CODE
17-18		VETERAN CODE
19-20		EMPLOYED/UNEMPLOYED CODE
21-22		SAMPLE (5% or 15%)
23-24		FILLER
25-28		INCOME (# WHO HAD INCOME)
29-32		INCOME (AMOUNT OF INCOME)
33-36		COUNT
37-40		WEIGHT

# FILE DOCUMENTATION

PROGRAM: P5-6 APPLY.FITNESS.PROP

FILE: FT20F001

LRECL: 72

IO TYPE: OUTPUT

BLKSIZE: 7200

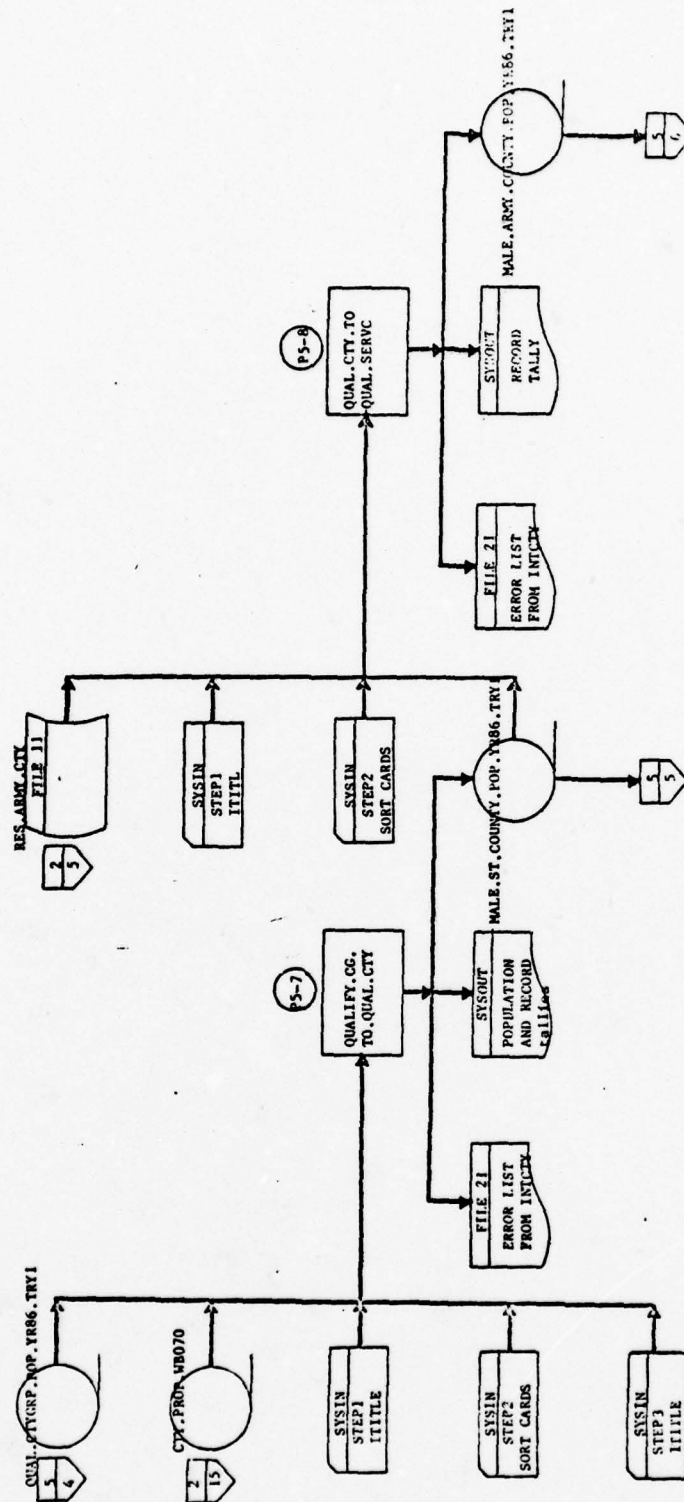
FILE TYPE: BINARY

RECFM: FB

DSN: QUAL.CTYGRP.YR86.TRY1

Column	Format (EBCDIC) Data Type (Binary)	Data Description
1-2	<div> <div>↑</div> <div>INTEGER</div> <div>↓</div> </div>	REGION CODE
3-4		SEX CODE
5-6		RACE CODE
7-8		AGE CODE
9-10		HIGHEST GRADE COMPLETED
11-12		IN SCHOOL CODE
13-14		INSTITUTIONALIZED CODE
15-16		IN MILITARY CODE
17-18		VETERAN CODE
19-20		EMPLOYED/UNEMPLOYED CODE
21-22		SAMPLE (5% or 15%)
23-24		FILLER
25-28		INCOME (# WHO HAD INCOME)
29-32		INCOME (AMOUNT OF INCOME)
33-36	<div> <div>↑</div> <div>INTEGER</div> <div>↓</div> </div>	COUNT
37-40		WEIGHT
41-44		WEIGHT
45-48		MENTAL
49-52		CATEGORY
53-56		1
57-60		2
61-64		3
65-68		4
69-72		5
		6
		7
		PHYS.UNFIT

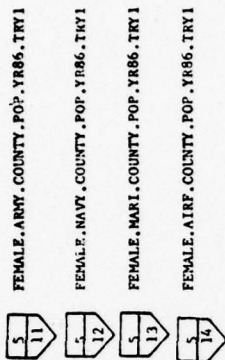
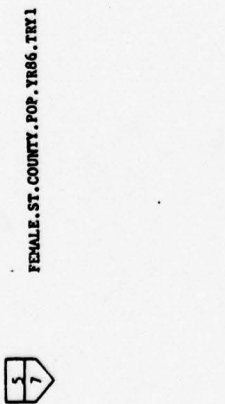
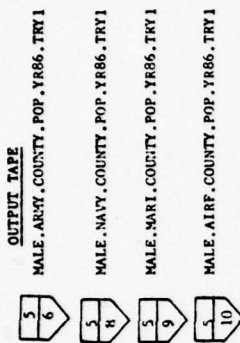
TRANSFORM QUALIFIED COUNTY GROUP POPULATION TO QUALIFIED  
COUNTY-STATE POPULATION





DEVELOPMENT OF QMA FILE (continued)

QUAL.CTY.TO.QUAL.SERV (continued)



Program name: QUALITY.CG.TO.QUAL.CTY. (STEP1-2)

Program ID: P5-7

Purpose: This is step 1 of a 3 step sequence. Step 2 is a sort, step 3 will be documented on the next program documentation page. This step transforms the county-group population to state/county population. A summary of the various counts (# records read, # records written, etc.) is written on sysout.

Author: UNKNOWN

Computer/OS: IBM 370/HASP

Language: FORTRAN G

Estimated Requirements:

Core: 150K

Tape Drives: 2

CPU Time: 4 minutes (total of all  
3 steps)

Disk Drives: 3

Print Lines: 2000

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)

INTCTY/CGTCTY/PRTGRP

External

FREAD ASTSI

FWRITE ASTSP

LEAVE

Input Files:

FT10F001 QUAL.CTYGRP.POP.YR86.TRY1

FT11F001 CTY.PROP.WB070

SYSIN TITLE CARD

Output Files:

FT21F001 Error message file for INTCTY

FT20F001 &TEMPO (Temporary file input to sort in Step 2)

COMMENT: The deck as it now stands is set for the male run. For the female run, two changes are required: Statement # 140 should read 140 IF(IREC2(2).EQ.2)GO TO 141 and Format #211 should read 'NO. MALE RECORDS DROPPED='.

# FILE DOCUMENTATION

PROGRAM: P5-7 QUALITY.CG.TO.QUAL.CTY (STEP 1)  
 FILE: FT10F001 LRECL: 72  
 IO TYPE: INPUT BLKSIZE:7200  
 FILE TYPE: BINARY RECFM: FB  
 DSN: QUAL.CTYGRP.YR86.TRY1

Column	Format (EBCDIC) Data Type (Binary)	Data Description
1-2	INTEGER	REGION CODE
3-4		SEX CODE
5-6		RACE CODE
7-8		AGE CODE
9-10		HIGHEST GRADE COMPLETED
11-12		IN SCHOOL CODE
13-14		INSTITUTIONALIZED CODE
15-16		IN MILITARY CODE
17-18		VETERAN CODE
19-20		EMPLOYED/UNEMPLOYED CODE
21-22		SAMPLE (5% OR 15%)
23-24		FILLER
25-28		INCOME (#WHO HAD INCOME)
29-32		INCOME (AMOUNT OF INCOME
33-36	INTEGER	COUNT
37-40	REAL	WEIGHT
41-44		WEIGHT MENTAL CATEGORY 1
45-48		
49-52		
53-56		
57-60		
61-64		
65-68		
69-72	REAL	PHYS. UNFIT

# FILE DOCUMENTATION

PROGRAM: P5-7 QUALITY.CG.TO.QUAL.CTY (STEP 1)

FILE: FT11F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: EBCDIC

RECFM: FB

DSN: CTY.PROP.WB070

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-5	S11	COUNTY GROUP CODE
6-22	17X	FILLER
23-27	S11	COUNTY CODE
28	LX	FILLER
29-35	F7.5	PROPORTION MALE WHITE
36-42		BLACK
43-49		OTHER
50-56		FEMALE WHITE
57-63		BLACK
64-70	F7.5	OTHER



# FILE DOCUMENTATION

PROGRAM: P5-7 QUALITY.CG.TO.QUAL.CTY (Step 1)

FILE: FT20F001

LRECL: 76

IO TYPE: OUTPUT

BLKSIZE: 12996

FILE TYPE: BINARY

RECFM: FB

DSN: &TEMPO

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	INTEGER	STATE CODE
3-6		COUNTY CODE
7-8		SEX
9-10		RACE
11-12		AGE
13-14		HIGHEST GRADE COMPLETED
15-16		IN SCHOOL CODE
17-18		INSTITUTIONALIZED CODE
19-20		IN MILITARY CODE
21-22		VETERAN CODE
23-24		EMPLOYED CODE
25-26		SAMPLE
27-28		FILLER
29-32		INCOME (YES/NO)
33-36		INCOME (AMOUNT)
37-40	INTEGER	COUNT
41-44	REAL	ADJUSTED WEIGHT
45-48		COUNT MEN.CAT. 1
49-52		2
53-56		3
57-60		4
61-64		5
65-68		6
69-72		7
73-76	REAL	PHYS. UNFIT

Program name: QUALITY.CG.TO.QUAL.CTY (Step 3)		Program ID: P5-7												
<u>Purpose:</u> <p>This is the third step of the sequence which transforms the county group population to state/county population. This program aggregates the 76 character records.</p>														
<u>Author:</u> Unknown														
<u>Computer/OS:</u> IBM 370/Hasp		<u>Language:</u> FORTRAN G												
<u>Estimated Requirements:</u> <table> <tr> <td>Core:</td> <td>Tape Drives: See Step1</td> </tr> <tr> <td>CPU Time: Estimated in Step1</td> <td>Disk Drives:</td> </tr> <tr> <td>Print Lines:</td> <td></td> </tr> </table> <table> <tr> <th colspan="2">Subroutine name/entry/entry...</th> </tr> <tr> <th>Internal (SOURCE/OBJECT)</th> <th>External</th> </tr> <tr> <td>None</td> <td>FREAD FWRITE LEAVE</td> </tr> </table>			Core:	Tape Drives: See Step1	CPU Time: Estimated in Step1	Disk Drives:	Print Lines:		Subroutine name/entry/entry...		Internal (SOURCE/OBJECT)	External	None	FREAD FWRITE LEAVE
Core:	Tape Drives: See Step1													
CPU Time: Estimated in Step1	Disk Drives:													
Print Lines:														
Subroutine name/entry/entry...														
Internal (SOURCE/OBJECT)	External													
None	FREAD FWRITE LEAVE													
<u>Input Files:</u> <table> <tr> <td>FT10F001</td> <td>&amp;TEMP</td> </tr> <tr> <td>SYSIN</td> <td>title card</td> </tr> </table>			FT10F001	&TEMP	SYSIN	title card								
FT10F001	&TEMP													
SYSIN	title card													
<u>Output Files:</u> <table> <tr> <td>FT20F001</td> <td>MALE.ST.CTY.POP.YR86.TRY1</td> <td rowspan="2">} one run for each sex</td> </tr> <tr> <td></td> <td>FEMALE.ST.CTY.POP.YR86.TRY1</td> </tr> </table>			FT20F001	MALE.ST.CTY.POP.YR86.TRY1	} one run for each sex		FEMALE.ST.CTY.POP.YR86.TRY1							
FT20F001	MALE.ST.CTY.POP.YR86.TRY1	} one run for each sex												
	FEMALE.ST.CTY.POP.YR86.TRY1													
2-145														

# FILE DOCUMENTATION

PROGRAM: P5-7 QUALITY.CG.TO.QUAL.CTY (Step 3)  
 FILE: FT10FOO1 LRECL: 76  
 IO TYPE: INPUT BLKSIZE: 12996  
 FILE TYPE: BINARY RECFM: FB  
 DSN: &TEMP (Sorted version of  
 &TEMPO)

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 2	INTEGER ↑ ↓ INTEGER REAL ↑ ↓ REAL	STATE CODE
3 - 6		COUNTY CODE
7 - 8		SEX
9 - 10		RACE
11 - 12		AGE
13 - 14		HIGHEST GRADE COMPLETED
15 - 16		IN SCHOOL CODE
17 - 18		INSTITUTIONALIZED CODE
19 - 20		IN MILITARY CODE
21 - 22		VETERAN CODE
23 - 24		EMPLOYED CODE
25 - 26		SAMPLE
27 - 28		FILLER
29 - 32		INCOME (YES/NO)
33 - 36		INCOME (AMOUNT)
37 - 40	INTEGER REAL ↑ ↓ REAL	COUNT
41 - 44		ADJUSTED WEIGHT
45 - 48		COUNT MEN.CAT.1
49 - 52		2
53 - 56		3
57 - 60		4
61 - 64		5
65 - 68	REAL ↑ ↓ REAL	6
69 - 72		7
73 - 76	REAL	PHYS.UNFIT

# FILE DOCUMENTATION

PROGRAM: P5-7 QUALITY.CG.TO.QUAL.CTY (Step 3)  
 FILE: FT20F001 LRECL: 76  
 IO TYPE: OUTPUT BLKSIZE: 12996  
 FILE TYPE: BINARY RECFM:  
 DSN: FEMALE.ST.CTY.POP.YR86.TRY1

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 2	INTEGER	STATE CODE
3 - 6		COUNTY CODE
7 - 8		SEX
9 - 10		RACE
11 - 12		AGE
13 - 14		HIGHEST GRADES COMPLETED
15 - 16		IN SCHOOL CODE
17 - 18		INSTITUTIONALIZED CODE
19 - 20		IN MILITARY CODE
21 - 22		VETERAN CODE
23 - 24		EMPLOYED CODE
25 - 26		SAMPLE
27 - 28		FILLER
29 - 32		INCOME (YES/NO)
33 - 36		INCOME (AMOUNT)
37 - 40	INTEGER	COUNT
41 - 44	REAL	ADJUSTED WEIGHT
45 - 48		COUNT MEN.CAT. 1
49 - 52		2
53 - 56		3
57 - 60		4
61 - 64		5
65 - 68		6
69 - 72		7
73 - 76	REAL	PHYS.UNFIT



# FILE DOCUMENTATION

PROGRAM: P5-7 QUALITY.CG.TO.QUAL.CTY (Step 3)  
 FILE: FT20F001 LRECL: 76  
 IO TYPE: OUTPUT BLKSIZE: 12996  
 FILE TYPE: BINARY RECFM:  
 DSN: MALE.ST.CTY.POP.YR86.TRY1

Column	Format (EBCDIC) Data Type (Binary)	Data Description
1 - 2	INTEGER ↑ ↓ INTEGER REAL ↑ ↓ REAL	STATE CODE
3 - 6		COUNTY CODE
7 - 8		SEX
9 - 10		RACE
11 - 12		AGE
13 - 14		HIGHEST GRADES COMPLETED
15 - 16		IN SCHOOL CODE
17 - 18		INSTITUTIONALIZED CODE
19 - 20		IN MILITARY CODE
21 - 22		VETERAN CODE
23 - 24		EMPLOYED CODE
25 - 26		SAMPLE
27 - 28		FILLER
29 - 32		INCOME (YES/NO)
33 - 36		INCOME (AMOUNT)
37 - 40		COUNT
41 - 44		ADJUSTED WEIGHT
45 - 48		COUNT MEN.CAT. 1
49 - 52		2
53 - 56		3
57 - 60		4
61 - 64		5
65 - 68		6
69 - 72		7
73 - 76		PHYS.UNFIT

Program name: QUAL.CTY.TO.QUAL.SERVIC

Program ID: P5-8

Purpose:

This program takes the sex-specific, qualified county projected populations and uses the service directories to map the population into service boundaries (DRC's, NRD's, etc.). The complete DOD projection will require 8 runs of this program, one for each sex for each service. The only changes required are in the JCL, namely the input population tape (male or female) and the service dictionary (Army, Navy, Marine Corps or Air Force). The second step of the program re-sorts the file according to recruiting areas.

Author: Unknown

Computer/OS: IBM 370/Hasp

Language: FORTRAN G

Estimated Requirements:

Core: 150 K

Tape Drives: 2

CPU Time: 11 min

Disk Drives: 3 (required for  
sort)

Print Lines: 1000

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)

External

INTMAP/CTYREG/PRTHAP (Source)

FREAD MVECR

RDDRC (Source)

FWRITE ASTSI

LISTL LEAVE

Input Files:

FT10F001 MALE.ST.COUNTY.POP.YR86.TRY1 (or FEMALE.ST....)

FT11F001 SERVICE DIRECTORY

SYSIN TITLE CARD

Output Files:

FT20F001 8TEMPO (unsorted)

SORTOUT MALE.ARMY.COUNTY.POP.YR86.TRY (sorted)  
(FEMALE)(NAVY)  
(AIRF)  
(MARI)

FT22F001 PRINT FILE WHICH CONTAINS A SUMMARY OF COUNTIES NOT  
REFERENCED & COUNTIES REFERENCED MORE THAN ONCE.

SYSOUT THIS FILE CONTAINS A SUMMARY OF THE RECORDS READ, etc.

# FILE DOCUMENTATION

PROGRAM: P5-8 QUAL.CTY.TO.QUAL.SERVIC  
 FILE: FT10F001 LRECL: 76  
 IO TYPE: INPUT BLKSIZE: 12996  
 FILE TYPE: BINARY RECFM: FB  
 DSN: MALE.ST.COUNTY.POP.YR86.TRY1

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 2	↑ INTEGER	STATE CODE
3 - 6		COUNTY CODE
7 - 8		SEX
9 - 10		RACE
11 - 12		AGE
13 - 14		HIGHEST GRADE COMPLETED
15 - 16		IN SCHOOL CODE
17 - 18		INSTITUTIONALIZED CODE
19 - 20		IN MILITARY CODE
21 - 22		VETERAN CODE
23 - 24		EMPLOYED CODE
25 - 26		SAMPLE
27 - 28		FILLER
29 - 32		INCOME (YES/NO)
33 - 36		INCOME (AMOUNT)
37 - 40	INTEGER	COUNT
41 - 44	↑ REAL	ADJUSTED WEIGHT
45 - 48		COUNT MEN.CAT. 1
49 - 52		2
53 - 56		3
57 - 60		4
61 - 64		5
65 - 68		6
69 - 72		7
73 - 76	↓	PHYS.UNFIT

# FILE DOCUMENTATION

PROGRAM: P5-8 QUAL.CTY.TO.QUAL.SERVIC

FILE: FT11F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: EBCDIC

RECFM: FB

DSN: RES.ST.CTY

Column	Format(EBCDIC) Data Type(Binary)	Data Description
FIRST CARD FOR STATE		
1 - 2	I2	STATE CODE
3	1X	FILLER
4 - 5	A2	STATE ABBREVIATION
6 - 7	A2	CENSUS REGION
8	1X	FILLER
9 - 20	3A4	STATE NAME
21 - 80	10(1X,I5)	FIPS CODE LIST (MAXIMUM OF 10 CODES PER CARD)
CONTINUATION CARDS		
1 - 2	I2	STATE CODE
3 - 20	18X	FILLER
21 - 80	10(1X,I5)	FIPS CODES (MAXIMUM OF 10 CODES PER CARD)



# FILE DOCUMENTATION

PROGRAM: P5-8 QUAL.CTY.TO.QUAL.SERVIC

FILE: FT11F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: EBCDIC

RECFM: FB

DSN: RES.ARM.Y.CTY

Column	Format(EBCDIC) Data Type(Binary)	Data Description
FIRST RECORD FOR DRC		
1 - 2	I2	.DRC SEQUENCE NO.
3 - 5	A3	DRC CODE
6 - 7	A2	REGION CODE
8	1X	FILLER
9 - 20	3A4	DRC NAME
21 - 80	10(1X,I5)	LIST OF FIPS CODES (MAXIMUM OF 10 PER CARD)
CONTINUATION RECORDS FOR DRC		
1 - 2	I2	DRC SEQUENCE NO.
3 - 9	7X	FILLER
10 - 14	I5	COUNTY FIPS
15	1X	FILLER
16 - 20	I5	COUNTY FIPS
21 - 80		SAME AS FIRST CARD

# FILE DOCUMENTATION

PROGRAM: P5-8 QUAL.CTY.TO.QUAL.SERVIC  
 FILE: FT11F001 LRECL: 80  
 IO TYPE: INPUT BLKSIZE: 7200  
 FILE TYPE: EBCDIC RECFM: FB  
 DSN: RES.NAVY.CTY

Column	Format(EBCDIC) Data Type(Binary)	Data Description
FIRST RECORD FOR NRD		
1 - 2	I2	NRD SEQUENCE NO.
3 - 5	A3	NRD CODE
6 - 7	A2	AREA CODE
8	1X	FILLER
9 - 20	3A4	NRD NAME
21 - 80	10(1X,15)	LIST OF FIPS CODES (MAXIMUM OF 10 PER CARD)

CONTINUATION RECORDS FOR NRD		
1 - 2	I2	NRD SEQUENCE NO.
3 - 9	7X	FILLER
10 - 14	I5	COUNTY FIPS
15	1X	FILLER
16 - 20	I5	COUNTY FIPS
21 - 80		SAME AS FIRST CARD

# FILE DOCUMENTATION

PROGRAM: P5-8 QUAL.CTY.TO.QUAL.SERVIC

FILE: FT11F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: EBCDIC

RECFM: FB

DSN: RES.MARI.CTY

Column	Format(EBCDIC) Data Type(Binary)	Data Description
FIRST RECORD FOR RS		
1 - 2	I2	RS SEQUENCE NO.
3 - 5	A3	RS CODE
6 - 7	A2	DISTRICT CODE
8	1X	FILLER
9 - 20	3A4	RS NAME
21 - 80	10(1X,15)	LIST OF FIPS CODES (MAXIMUM 10 PER CARD)

## CONTINUATION RECORDS FOR RS

1 - 2	I2	RS SEQUENCE NO.
3 - 9	7X	FILLER
10 - 14	I5	COUNTY FIPS
15	1X	FILLER
16 - 20	I5	COUNTY FIPS
21 - 80		SAME AS FIRST CARD

# FILE DOCUMENTATION

PROGRAM: P5-8 QUAL.CTY.TO.QUAL.SERVIC  
 FILE: FT11F001 LRECL: 80  
 IO TYPE: INPUT BLKSIZE: 7200  
 FILE TYPE: EBCDIC RECFM: FB  
 DSN: RES.AIRF.CTY

Column	Format(EBCDIC) Data Type(Binary)	Data Description
FIRST RECORD FOR DET		
1 - 2	I2	DET SEQUENCE NO.
3 - 5	A3	DET CODE
6 - 7	A2	GROUP CODE
8	1X	FILLER
9 - 20	3A4	DET NAME
21 - 80	10(1X,I5)	LIST OF FIPS CODES (MAXIMUM OF 10 PER CARD)

CONTINUATION RECORDS FOR DET		
1 - 2	I2	DET SEQUENCE NO.
3 - 9	7X	FILLER
10 - 14	I5	COUNTY FIPS
15	1X	FILLER
16 - 20	I5	COUNTY FIPS
21 - 80		SAME AS FIRST CARD



# FILE DOCUMENTATION

PROGRAM: P5-8 QUAL.CTY.TO.QUAL.SERVIC

FILE: FT20F001

LRECL: 76

IO TYPE: OUTPUT

BLKSIZE: 12996

FILE TYPE: BINARY

RECFM: FB

DSN: &TEMPO

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 2	↑ INTEGER	REGION CODE
3 - 6		COUNTY CODE
7 - 8		SEX
9 - 10		RACE
11 - 12		AGE
13 - 14		HIGHEST GRADE COMPLETED
15 - 16		IN SCHOOL CODE
17 - 18		INSTITUTIONALIZED CODE
19 - 20		IN MILITARY CODE
21 - 22		VETERAN CODE
23 - 24		EMPLOYED CODE
25 - 26		SAMPLE
27 - 28		FILLER
29 - 32		INCOME (YES/NO)
33 - 36		INCOME (AMOUNT)
37 - 40		COUNT
41 - 44		ADJUSTED WEIGHT
45 - 48	↑ REAL	COUNT MEN.CAT. 1
49 - 52		2
53 - 56		3
57 - 60		4
61 - 64		5
65 - 68		6
69 - 72		7
73 - 76		PHYS.UNFIT

# FILE DOCUMENTATION

PROGRAM: P5-8 QUAL.CTY.TO.QUAL.SERVIC

FILE: SORTOUT

LRECL: 76

IO TYPE: OUTPUT

BLKSIZE: 12996

FILE TYPE: BINARY

RECFM: FB

DSN: MALE.ARMY.COUNTY.POP.YR86.TRY1

(FEMALE)(NAVY) =

(AIRF)

Format(EBCDIC)

Column(MARI)

Data Type(Binary)

Data Description

1 - 2	INTEGER	REGION CODE
3 - 6		COUNTY CODE
7 - 8		SEX
9 - 10		RACE
11 - 12		AGE
13 - 14		HIGHEST GRADE COMPLETED
15 - 16		IN SCHOOL CODE
17 - 18		INSTITUTIONALIZED CODE
19 - 20		IN MILITARY CODE
21 - 22		VETERAN CODE
23 - 24		EMPLOYED CODE
25 - 26		SAMPLE
27 - 28		FILLER
29 - 32		INCOME (YES/NO)
33 - 36		INCOME (AMOUNT)
37 - 40	INTEGER	COUNT
41 - 44	REAL	ADJUSTED WEIGHT
45 - 48		COUNT MEN.CAT. 1
49 - 52		2
53 - 56		3
57 - 60		4
61 - 64		5
65 - 68		6
69 - 72		7
73 - 76		PHYS.UNFIT

Program name: QMA.TPE

Program ID: P5-9

Purpose: This program forms a tape with one record per county. This record contains relevant county data from the County Info. File as well as a complete count of the MA and QMA populations. It is designed for further use by the Services in their analysis as well as being a source of any or all of the QMA/MA reports.

Author: Alison Crews

Computer/OS: IBM 370/HASP

Language: FORTRAN C

Estimated Requirements:

Core: 120K

Tape Drives: 2

CPU Time: 12 MIN

Disk Drives: 1

Print Lines: 1000

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)  
INTCTY/CTYNAM/PRTCTY (SOURCE) )  
INTNAM/RDNAM (SOURCE) )

External  
FREAD LISTI  
ASTSI BNSCHI  
HVECR

Input Files:

FT09F001 COUNTY.INFO.FILE  
FT10F001 MALE.ARMY.COUNTY.POP.YR86.TRY1  
FT11F001 RES.ARMY.CTY  
SYSIN ITYP,IAGIN,IAGOUT,ISEX,LTITL

Output Files:

FT20F001 JUNE.YR86.ARMY.MALES  
NAVY (FEMALES)  
HARI  
AIRP  
STATE  
FT21F001 ERROR MESSAGE FILE FOR INTCTY  
SYSOUT THIS FILE CONTAINS ERROR MESSAGE FROM THE MAIN PROGRAM  
AND SUMMARY DATA ON THE RUN.

COMMENT: FOR FORMATION OF THE STATE TAPES FT10F001 WILL BE  
MALE.ST.COUNTY.POP.YR86.TRY1  
(FEMALE)  
THE FORMAT OF THIS TAPE IS THE SAME AS THE SERVICE  
SPECIFIC INPUTS.

# FILE DOCUMENTATION

PROGRAM: P5-9 QMA.TPE

FILE: FT09F001

LRECL: 140

IO TYPE: INPUT

BLKSIZE: 7000

FILE TYPE: EBCDIC

RECFM: FB

DSN: COUNTY.INFO.FILE

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	2X	FILLER
3-4	I2	FIPS STATE CODE
5-21	17A1	STATE NAME
22-23	A2	STATE ABBREVIATION
24-27	4X	FILLER
28-30	I3	COUNTY FIPS CODE
31-62	32A1	BASIC TRADING AREA (BTA) NAME
63-66	I4	BTA CODE
67-70	A4	TRADING AREA (TA) ABBR
71-72	2X	FILLER
73-75	I3	MAJOR TRADING AREA (MTA) CODE
76-85	I10	POPULATION COUNTS (TOTAL)
86-87	2X	FILLER
88-94	I7	POPULATION COUNTS (BLACK)
95-103	I8	LAND AREA
104-112	I9	QMA POPULATION
113-120	F8.2	POPULATION DENSITY
121-122	2X	FILLER
123-140	18A1	COUNTY NAME



# FILE DOCUMENTATION

PROGRAM: P5-9 QMA.TPE

FILE: FT10F001

LRECL: 76

IO TYPE: INPUT

BLKSIZE: 12996

FILE TYPE: BINARY

RECFM: FB

DSN: MALE.ARMY.COUNTY.POP.YR86.TRY1  
(FEMALE) NAVY

Column	MARI AIRF	Format(EBCDIC) Data Type(Binary)	Data Description
1-2		INTEGER	REGION CODE
3-6			COUNTY CODE
7-8			SEX
9-10			RACE
11-12			AGE
13-14			HIGHEST GRADE COMPLETED
15-16			IN SCHOOL CODE
17-18			INSTITUTIONALIZED CODE
19-20			IN MILITARY CODE
21-22			VETERAN CODE
23-24			EMPLOYED CODE
25-26			SAMPLE
27-28			FILLER
29-32			INCOME (YES/NO)
33-36			INCOME (AMOUNT)
37-40		INTEGER	COUNT
41-44		REAL	ADJUSTED WEIGHT
45-48			COUNT MEN. CAT. 1
49-52			2
53-56			3
57-60			4
61-64			5
65-68			6
69-72			7
73-76		REAL	PHYS.UNFIT

# FILE DOCUMENTATION

PROGRAM: P5-9 QMA.TPE

FILE: FT11F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: EBCDIC

RECFM: FB

DSN: RES.ST.CTY

Column	Format (EBCDIC) Data Type (Binary)	Data Description
FIRST CARD FOR STATE		
1-2	I2	STATE CODE
3	1X	FILLER
4-5	A2	STATE ABBREVIATION
6-7	A2	CENSUS REGION
8	1X	FILLER
9-20	3A4	STATE NAME
21-80	10(1X,15)	FIPS CODE LIST (MAXIMUM OF 10 CODES PER CARD)
CONTINUATION CARDS		
1-2	I2	STATE CODE
3-20	18X	FILLER
21-80	10(1X,15)	FIPS CODES (MAXIMUM OF 10 CODES PER CARD)

# FILE DOCUMENTATION

PROGRAM: P5-9 QMA.TPE

FILE: FT11F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: EBCDIC

RECFM: FB

DSN: RES.ARMY.CTY

Column	Format(EBCDIC) Data Type(Binary)	Data Description
FIRST RECORD FOR DRC		
1-2	I2	DRC SEQUENCE NO.
3-5	A3	DRC CODE
6-7	A2	REGION CODE
8	1X	FILLER
9-20	3A4	DRC NAME
21-80	10(1X,I5)	LIST OF FIPS CODES (MAXIMUM OF 10 PER CARD)
CONTINUATION RECORDS FOR DRC		
1-2	I2	DRC SEQUENCE NO.
3-9	7X	FILLER
10-14	I5	COUNTY FIPS
15	1X	FILLER
16-20	I5	COUNTY FIPS
21-80		SAME AS FIRST CARD

# FILE DOCUMENTATION

PROGRAM: P5-9 QMA.TPE

FILE: FT11F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: EBCDIC

RECFM: FB

DSN: RES.NAVY.CTY

Column	Format(EBCDIC) Data Type(Binary)	Data Description
FIRST RECORD FOR NRD		
1-2	I2	NRD SEQUENCE NO.
3-5	A3	NRD CODE
6-7	A2	AREA CODE
8	1X	FILLER
9-20	3A4	NRD NAME
21-80	10(1X,I5)	LIST OF FIPS CODES (MAXIMUM OF 10 PER CARD)

## CONTINUATION RECORDS FOR NRD

1-2	I2	NRD SEQUENCE NO.
3-9	7X	FILLER
10-14	I5	COUNTY FIPS
15	1X	FILLER
16-20	I5	COUNTY FIPS
21-80		SAME AS FIRST CARD



# FILE DOCUMENTATION

PROGRAM: P5-9 QMA.TPE

FILE: FT11F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: EBCDIC

RECFM: FB

DSN: RES.MARI.CTY

Column	Format(EBCDIC) Data Type(Binary)	Data Description
FIRST RECORD FOR RS		
1-2	I2	RS SEQUENCE NO.
3-5	A3	RS CODE
6-7	A2	DISTRICT CODE
8	1X	FILLER
9-20	3A4	RS NAME
21-80	10(1X,I5)	LIST OF FIPS CODES (MAXIMUM OF 10 PER CARD)
CONTINUATION RECORDS FOR RS		
1-2	I2	RS SEQUENCE NO.
3-9	7X	FILLER
10-14	I5	COUNTY FIPS
15	1X	FILLER
16-20	I5	COUNTY FIPS
21-80		SAME AS FIRST CARD

# FILE DOCUMENTATION

PROGRAM: P5-9 QMA.TPE

FILE: FT11F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: EBCDIC

RECFM: FB

DSN: RES.AIRF.CTY

Column	Format(EBCDIC) Data Type(Binary)	Data Description
FIRST RECORD FOR DET		
1-2	I2	DET SEQUENCE NO.
3-5	A3	DET CODE
6-7	A2	GROUP CODE
8	1X	FILLER
9-20	3A4	DET NAME
21-80	10(1X,I5)	LIST OF FIPS CODES (MAXIMUM OF 10 PER CARD)
CONTINUATION RECORDS FOR DET		
1-2	I2	DET SEQUENCE NO.
3-9	7X	FILLER
10-14	I5	COUNTY FIPS
15	1X	FILLER
16-20	I5	COUNTY FIPS
21-80		SAME AS FIRST CARD

# FILE DOCUMENTATION

PROGRAM: P5-9 QMA.TPE

FILE: SYSIN

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 80

FILE TYPE: BCD

RECFM: FB

DSN:

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-4	A4	ITYP (TITL)
5-8	I4	.IAGIN (BEGINNING AGE)
9-12	I4	IAGOUT (ENDING AGE)
13-14	2X	FILLER
15	I1	ISEX
16	1X	FILLER
17-44	7A4	LTITL

# FILE DOCUMENTATION

PROGRAM: P5-9 QMA.TPE

FILE: FT20F001

LRECL: 4800

IO TYPE: OUTPUT

BLKSIZE: 4800

FILE TYPE: BINARY

RECFM: FB

DSN: JUNE.YR86.ARMY.MALES

(FEMALES) (NAVY,MARI,AIRF,STATE)

Format(EBCDIC)

Column

Data Type(Binary)

Data Description

Each record in a file contains forty 120-character segments. The first segment (Format A) contains county identification data; the remaining 39 segments (Format B) contain counts of individuals in classes listed below.

## Population Classifications

(All segments are mutually exclusive)

In-service (all mental categories combined)	Segment 2
Veteran (all mental categories combined)	Segment 3
Institutionalized (all mental categories combined)	Segment 4
Physically unfit (all mental categories combined)	Segment 5
Mental Category I	
1. HSG in school	Segment 6
2. HSG not in school	Segment 7
3. NHSG seniors	Segment 8
4. Other NHSG in school	Segment 9
5. NHSG not in school	Segment 10
Mental Category II	
Subclasses 1-5 as above	Segments 11-15
Mental Category IIIA	
Subclasses 1-5 as above	Segments 16-20
Mental Category IIIB	
Subclasses 1-5 as above	Segments 21-25
Mental Category IVA	
Subclasses 1-5 as above	Segments 26-30
Mental Categories IVB and C	
Subclasses 1-5 as above	Segments 31-35
Mental Category V	
Subclasses 1-5 as above	Segments 36-40



# FILE DOCUMENTATION

PROGRAM: P5-9 QMA.TPE

FILE: FT20F001

LRECL: 4800

IO TYPE: OUTPUT

BLKSIZE: 4800

FILE TYPE: EBCDIC

RECFM: FB

DSN: JUNE.YR86.ARMY.MALES

Column	Format(EBCDIC) Data Type(Binary)	Data Description
FORMAT A - SEGMENT 1		
1-4	A4	LTITL
5-8	↑ ↓	↑
9-12		↓
13-16		LTITL
17-20		REGION CODE
21-24		DRC CODE
25-28		DRC NAME
29-32		DRC NAME
33-36		DRC NAME
37-40		DRC NAME
41-44		DRC NAME
45-48	A4	DRC NAME
49-53	5I1	FIPS CODE
54-55	2X	FILLER
56-59	A4	STATE ABBR.
60-63	↑	COUNTY NAME
64-67	↓	↑
68-71	A4	COUNTY NAME
72-119	12A4	FILLER
120	A1	FILLER

# FILE DOCUMENTATION

PROGRAM: P5-9 QMA.TPE

FILE: FT20F001

LRECL: 4800

IO TYPE: OUTPUT

BLKSIZE: 4800

FILE TYPE: BINARY

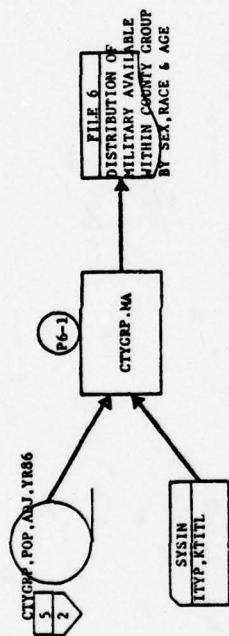
RECFM: FB

DSN: JUNE.77.ARMY.MALES

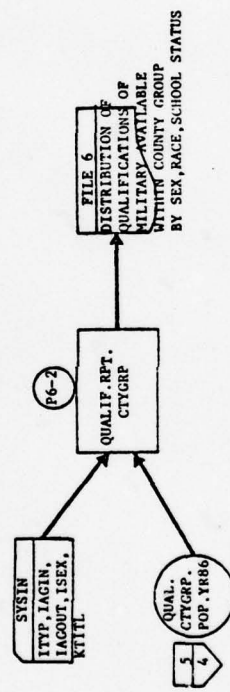
Column	Format(EBCDIC) Data Type(Binary)	Data Description
FORMAT B	SEGMENTS 2-40	
1-8	F8.1	COUNTS FOR WHITE 17
9-16		18
17-24		19
25-32		20
33-40		▼ 21
41-48		BLACK 17
49-56		18
57-64		19
65-72		20
73-80		▼ 21
81-88		OTHER 17
89-96		18
97-104		19
105-112		20
113-120	▼	▼ ▼ ▼ 21

REPORT GENERATORS

COUNTY GROUP MA REPORT



COUNTY GROUP QUALIFICATION REPORT



Program name: CTYGRP.MA

Program ID: P6-1

Purpose: This program is a report generator to print the distribution of members of male population within each county group into availability classifications by age and race using adjusted population of June 1986.

Author: Alison Crews

Computer/OS: IBM 360-370/HASP

Language: FORTRAN G

Estimated Requirements:

Core: 100K

Tape Drives: 1

CPU Time: 4 MIN

Disk Drives: 1

Print Lines: 38000

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)

External

FREAD

Input Files:

FT10F001 CTYGRP.POP.ADJ.YR86.TRY1

Output Files:

FT06F001 DISTRIBUTION OF MILITARY AVAILABLE WITHIN COUNTY GROUP  
BY RACE, AGE, AND SEX



# FILE DOCUMENTATION

PROGRAM: P6-1 CTYGRP.MA

FILE: FT10F001

LRECL: 40

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: BINARY

RECFM: FB

DSN: CTYGRP.POP.ADJ.YR86.TRY1

Column	Format (EBCDIC) Data Type (Binary)	Data Description
1-2	<div> <div>↑</div> <div>INTEGER</div> <div>↓</div> </div>	REGION CODE
3-4		SEX CODE
5-6		RACE CODE
7-8		AGE CODE
9-10		HIGHEST GRADE COMPLETED
11-12		IN SCHOOL CODE
13-14		INSTITUTIONALIZED CODE
15-16		IN MILITARY CODE
17-18		VETERAN CODE
19-20		EMPLOYED/UNEMPLOYED CODE
21-22		SAMPLE (5% or 15%)
23-24		FILLER
25-28		INCOME (# WHO HAD INCOME)
29-32		INCOME (AMOUNT OF INCOME)
33-36		COUNT
37-40	REAL	WEIGHT

Program name: QUALIF.RTP.CTYGRP		Program ID: P6-2
<u>Purpose:</u> This program produces a QMA report by county group.		
<u>Author:</u> Alison Crews		
<u>Computer/OS:</u> IBM 370/HASP		<u>Language:</u> FORTRAN G
<u>Estimated Requirements:</u>		
Core: 100K		Tape Drives: 1
CPU Time: 5 MIN		Disk Drives: 1
Print Lines: 22000		
Subroutine name/entry/entry...		
Internal (SOURCE/OBJECT)		External
None		FREAD
<u>Input Files:</u>		
FT10F001	QUAL.CTYGRP.POP.YR86.TRY1	
FT05F001	ITYP,IAGIN,IAGOUT,ISEX,KTITL	
<u>Output Files:</u>		
FT06F001	Qualifications of available males by county group (ages 17-21 inclusive) June 86 projected population	

# FILE DOCUMENTATION

PROGRAM: P6-2 QUALIF.RPT.CTYGRP

FILE: FT05F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 80

FILE TYPE: BCD

RECFM: FB

DSN:

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1 - 4	A4	ITYP
5 - 8	I4	IAGIN
9 - 12	I4	IAGOUT
13 - 14	2X	FILLER
15	A1	ISEX
16	1X	FILLER
17 - 56	10A4	KTITL

# FILE DOCUMENTATION

PROGRAM: P6-2 QUALIF.RPT.CTYGRP

FILE: FT10F001

LRECL: 72

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: BINARY

RECFM: FB

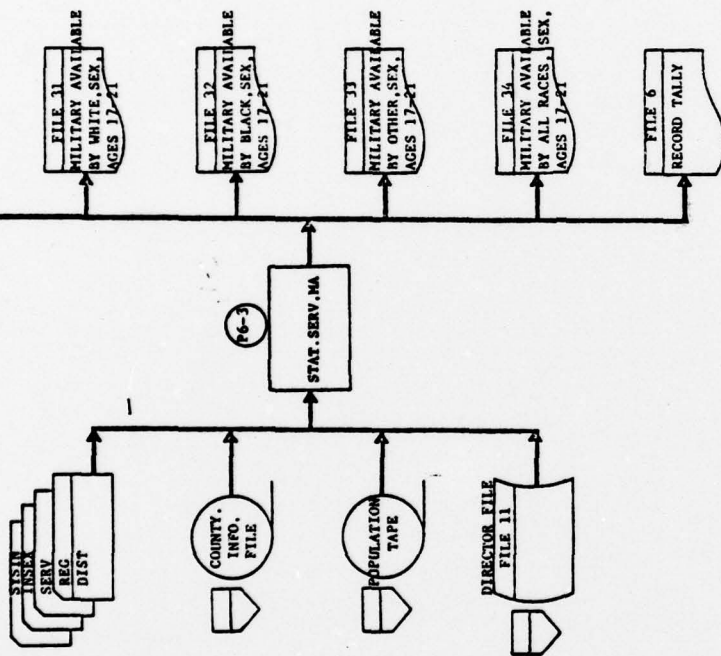
DSN: QUAL.CTYGRP.YR86.TRY1

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	<div> <div>↑</div> <div>INTEGER</div> <div>↓</div> </div>	REGION CODE
3-4		SEX CODE
5-6		RACE CODE
7-8		AGE CODE
9-10		HIGHEST GRADE COMPLETED
11-12		IN SCHOOL CODE
13-14		INSTITUTIONALIZED CODE
15-16		IN MILITARY CODE
17-18		VETERAN CODE
19-20		EMPLOYED/UNEMPLOYED CODE
21-22		SAMPLE (5% or 15%)
23-24		FILLER
25-28		INCOME (# WHO HAD INCOME)
29-32		INCOME (AMOUNT OF INCOME)
33-36		COUNT
37-40		WEIGHT
41-44		WEIGHT MENTAL CATEGORY 1
45-48		2
49-52		3
53-56		4
57-60		5
61-64		6
65-68		7
69-72	REAL	PHYS.UNFIT



# REPORT GENERATORS (CONTINUED)

## STATE-SERVICE MA



### POPULATION TAPE

5 6	MALE ST. COUNTY .POP. YR86. TRV1
5 7	FEMALE ST. COUNTY .POP. YR86. TRV1
5 6	MALE ARMY. COUNTY .POP. YR86. TRV1
5 7	FEMALE ARMY. COUNTY .POP. YR86. TRV1
5 6	MALE NAVY. COUNTY .POP. YR86. TRV1
5 7	FEMALE NAVY. COUNTY .POP. YR86. TRV1
5 6	MALE MARI. COUNTY .POP. YR86. TRV1
5 7	FEMALE MARI. COUNTY .POP. YR86. TRV1
5 6	MALE AIRF. COUNTY .POP. YR86. TRV1
5 7	FEMALE AIRF. COUNTY .POP. YR86. TRV1

SYSIN			
INSEX	SERV	REG	DIST
1	ALL SERVICES	REGION	ST
2	ALL SERVICES	REGION	ST
1	ARMY	REGION	DRC
2	ARMY	REGION	DRC
1	NAVY	AREA	NRD
2	NAVY	AREA	NRD
1	MARINE CORPS	DISTRICT	RS
2	MARINE CORPS	DISTRICT	RS
1	AIR FORCE	GROUP	DET
2	AIR FORCE	GROUP	DET

Program name: STAT.SERV.MA

Program ID: P6-3

Purpose:

The purpose of this program is to list for all services the distribution of military available males or females by race, availability classification, and age for each county group within each state.

Author: Agnes Purcell

Computer/OS: IBM 360-370/IIASP

Language: FORTRAN G

Estimated Requirements:

Core: 120K

Tape Drives: 1

CPU Time: 6 MIN

Disk Drives: 1

Print Lines: 15000

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)	External
COMP (SOURCE)	FREAD MVECR
FSIPAG/NUPAG/CONTPG/LSTPAG/SUMPAG (SOURCE)	ASTSI BNSCHI
INTCTY/CTYNAM/PRTCTY (SOURCE)	LISTI
INTNAM/RDNAM (SOURCE)	LEAVE
RDREG (SOURCE)	

Input Files:

FT05F001	INPUT DATA CARDS
FT09F001	COUNTY.INFO.FILE
FT10F001	MALE.ST.COUNTY.POP.YR86.TRY1
	FEMALE.ST.COUNTY.POP.YR86.TRY1
FT11F001	RES.STATE.CTY

Output Files:

FT21F001	COUNTY NAME RETRIEVAL DIAGNOSTICS
FT31F001	MILITARY AVAILABLE, WHITE RACE, BY SEX, AGES 17-21 REPORT
FT32F001	MILITARY AVAILABLE, BLACK RACE, BY SEX, AGES 17-21 REPORT
FT33F001	MILITARY AVAILABLE, OTHER RACE, BY SEX, AGES 17-21 REPORT
FT34F001	MILITARY AVAILABLE, ALL RACES, BY SEX, AGES 17-21 REPORT

# FILE DOCUMENTATION

PROGRAM: P6-3 STAT.SERV.MA

FILE: FT05F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 80

FILE TYPE: BCD

RECFM: FB

DSN:

Column	Format(EBCDIC) Data Type(Binary)	Data Description
<u>CARD 1</u>		
1-2	I2	SEX(1=MALE, 2=FEMALE)
<u>CARD 2</u>		
1-12	3A4	SERVICE ALL SERVICES ARMY NAVY MARINE CORPS AIR FORCE
<u>CARD 3</u>		
1-8	2A4	REGION/AREA/DISTRICT/GROUP
<u>CARD 4</u>		
1-4	A4	DISTRICT DESIGNATION ST DRC NRD RS DET
<u>CARD 5</u>		
1-40	10A4	TITLE

# FILE DOCUMENTATION

PROGRAM: P6-3 STAT.SERV.MA

FILE: FT09F001

LRECL: 140

IO TYPE: INPUT

BLKSIZE: 7000

FILE TYPE: EBCDIC

RECFM: FB

DSN: COUNTY.INFO.FILE

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	2X	FILLER
3-4	I2	FIPS STATE CODE
5-21	17A1	STATE NAME
22-23	A2	STATE ABBREVIATION
24-27	4X	FILLER
28-30	I3	COUNTY FIPS CODE
31-62	32A1	BASIC TRADING AREA (BTA) NAME
63-66	I4	BTA CODE
67-70	A4	TRADING AREA (TA) ABBR.
71-72	2X	FILLER
73-75	I3	MAJOR TRADING AREA (MTA) CODE
76-85	I10	POPULATION COUNTS (TOTAL)
86-87	2X	FILLER
88-94	I7	POPULATION COUNTS (BLACK)
95-103	I8	LAND AREA
104-112	I9	QMA POPULATION
113-120	F8.2	POPULATION DENSITY
121-122	2X	FILLER
123-140	18A1	COUNTY NAME



# FILE DOCUMENTATION

PROGRAM: P6-3 STAT.SERV.MA

FILE: FT10F001

LRECL: 76

IO TYPE: INPUT

BLKSIZE: 7600

FILE TYPE: BINARY

RECFM: FB

DSN: MALE.ST.COUNTY.POP.YR86.TRY1  
FEMALE.ST.COUNTY.POP.YR86.TRY1

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	INTEGER	REGION CODE
3-6		COUNTY CODE
7-8		SEX
9-10		RACE
11-12		AGE
13-14		HIGHEST GRADE COMPLETED
15-16		IN SCHOOL CODE
17-18		INSTITUTIONALIZED CODE
19-20		IN MILITARY CODE
21-22		VETERAN CODE
23-24		EMPLOYED CODE
25-26		SAMPLE
27-28		FILLER
29-32		INCOME (YES/NO)
33-36		INCOME (AMOUNT)
37-40	INTEGER	COUNT
41-44	REAL	ADJUSTED WEIGHT
45-48		COUNT MEN. CAT. I
49-52		II
53-56		III
57-60		IV
61-64		V
65-68		VI
69-72		COUNT MEN. CAT. VII
73-76	REAL	COUNT PHYS.UNFIT

# FILE DOCUMENTATION

PROGRAM: P6-3      STAT.SERV.MA

FILE: FT11F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: EBCDIC

RECFM: FB

DSN: RES.STATE.CTY

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1st CARD FOR STATE		
1-2	I2	STATE CODE
3	1X	FILLER
4-5	A2	STATE ABBREVIATION
6-7	A2	CENSUS REGION
8	1X	FILLER
9-20	3A4	STATE NAME
21-80	10(1X,15)	FIPS CODE LIST (MAXIMUM OF 10 CODES PER CARD)
CONTINUATION CARDS		
1-2	I2	STATE CODE
3-20	18X	FILLER
21-80	10(1X,15)	FIPS CODES (MAXIMUM OF 10 CODES PER CARD)

Program name: STAT.SERV.MA

Program ID: P6-3

Purpose: The purpose of this program is to list for the Army the distribution of military available males or females by race, availability classification, and age for each county within each recruiting region.

Author: Agnes Purcell

Computer/OS: IBM 360-370/HASP

Language: FORTRAN G

Estimated Requirements:

Core: 120K

Tape Drives: 1

CPU Time: 6 MIN

Disk Drives: 1

Print Lines: 15000

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)	External	
COMP (SOURCE)		
FSTPAG/NUPAG/CONTPG/LSTPAG/SUMPAG (SOURCE)	FREAD	MVECR
INTCTI/CTYNAM/PRTCTY (SOURCE)	ASTSI	BNSCHI
INTNAM/RDNAM (SOURCE)	LISTI	
RDREG (SOURCE)	LEAVE	

Input Files:

FT05F001	INPUT DATA CARDS
FT09F001	COUNTY.INFO.FILE
FT10F001	MALE.ARMY.COUNTY.POP.YR86.TRY1
	FEMALE.ARMY.COUNTY.POP.YR86.TRY1
FT11F001	RES.ARMY.CTY

Output Files:

FT21F001	COUNTY NAME RETRIEVAL DIAGNOSTICS
FT31F001	MILITARY AVAILABLE, WHITE RACE, BY SEX, AGES 17-21 REPORT
FT32F001	MILITARY AVAILABLE, BLACK RACE, BY SEX, AGES 17-21 REPORT
FT33F001	MILITARY AVAILABLE, OTHER RACE, BY SEX, AGES 17-21 REPORT
FT34F001	MILITARY AVAILABLE, ALL RACES, BY SEX, AGES 17-21 REPORT

# FILE DOCUMENTATION

PROGRAM: P6-3 STAT.SERV.MA

FILE: FT05F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 80

FILE TYPE: BCD

RECFM: FB

DSN:

Column	Format(EBCDIC) Data Type(Binary)	Data Description
<u>CARD 1</u>		
1-2	I2	SEX(1=MALE, 2=FEMALE)
<u>CARD 2</u>		
1-12	3A4	SERVICE ALL SERVICES ARMY NAVY MARINE CORPS AIR FORCE
<u>CARD 3</u>		
1-8	2A4	REGION/AREA/DISTRICT/GROUP
<u>CARD 4</u>		
1-4	A4	DISTRICT DESIGNATION ST DRC NRD RS DET
<u>CARD 5</u>		
1-40	10A4	TITLE



# FILE DOCUMENTATION

PROGRAM: P6-3 STAT.SERV.MA

FILE: FT09F001

LRECL: 140

IO TYPE: INPUT

BLKSIZE: 7000

FILE TYPE: EBCDIC

RECFM: FB

DSN: COUNTY.INFO.FILE

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	2X	FILLER
3-4	I2	FIPS STATE CODE
5-21	17A1	STATE NAME
22-23	A2	STATE ABBREVIATION
24-27	4X	FILLER
28-30	I3	COUNTY FIPS CODE
31-62	32A1	BASIC TRADING AREA (BTA) NAME
63-66	I4	BTA CODE
67-70	A4	TRADING AREA (TA) ABBR.
71-72	2X	FILLER
73-75	I3	MAJOR TRADING AREA (MTA) CODE
76-85	I10	POPULATION COUNTS (TOTAL)
86-87	2X	FILLER
88-94	I7	POPULATION COUNTS (BLACK)
95-103	I8	LAND AREA
104-112	I9	QMA POPULATION
113-120	F8.2	POPULATION DENSITY
121-122	2X	FILLER
123-140	18A1	COUNTY NAME

# FILE DOCUMENTATION

PROGRAM: P6-3 STAT.SERV.MA

FILE: FT10F001

LRECL: 76

IO TYPE: INPUT

BLKSIZE: 7600

FILE TYPE: BINARY

RECFM: FB

DSN: MALE.ARMY.COUNTY.POP.YR86.TRY1  
FEMALE.ARMY.COUNTY.POP.YR86.TRY1

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	INTEGER	REGION CODE
3-6		COUNTY CODE
7-8		SEX
9-10		RACE
11-12		AGE
13-14		HIGHEST GRADE COMPLETED
15-16		IN SCHOOL CODE
17-18		INSTITUTIONALIZED CODE
19-20		IN MILITARY CODE
21-22		VETERAN CODE
23-24		EMPLOYED CODE
25-26		SAMPLE
27-28		FILLER
29-32		INCOME (YES/NO)
33-36		INCOME (AMOUNT)
37-40	INTEGER	COUNT
41-44	REAL	ADJUSTED WEIGHT
45-48		COUNT MEN. CAT. I
49-52		II
53-56		III
57-60		IV
61-64		V
65-68		VI
69-72		COUNT MEN. CAT. VII
73-76	REAL	COUNT PHYS.UNFIT

AD-A075 347

GENERAL RESEARCH CORP MCLEAN VA

F/O 15/5

THE QUALIFIED MILITARY AVAILABLE PROJECTION SYSTEM. VOLUME II. --ETC(U)

SEP 78 D F HUCK, A CREWS, G P SICA

MDA903-75-C-0204

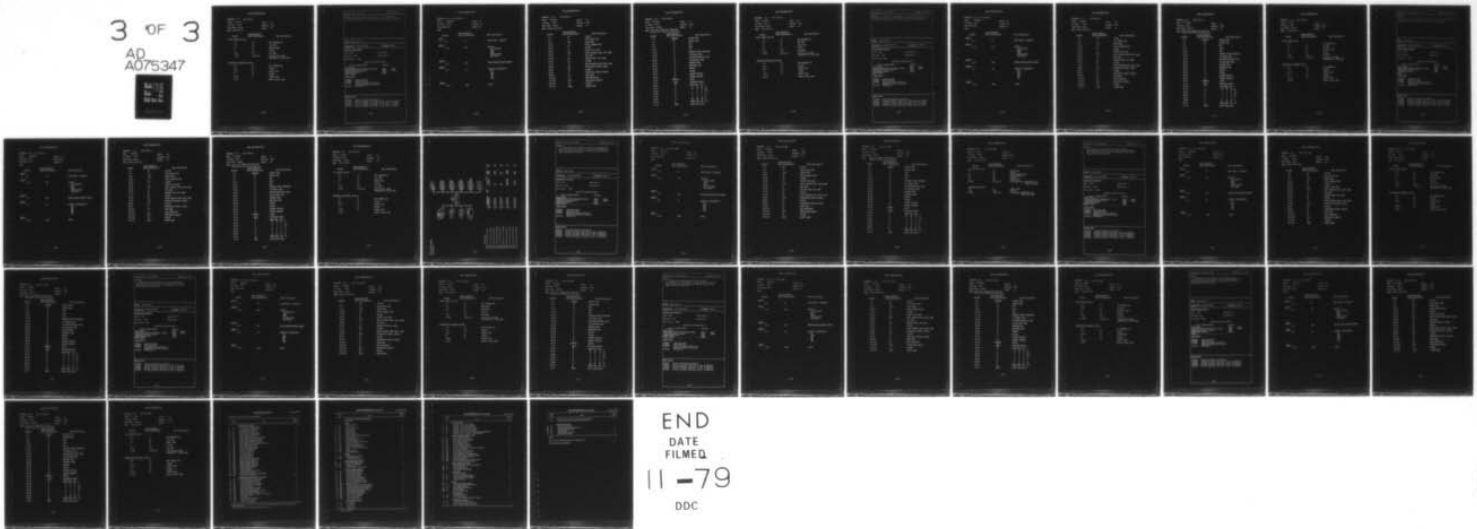
UNCLASSIFIED

6RC-CR-224-VOL-2

NL

3 OF 3

AD  
A075347



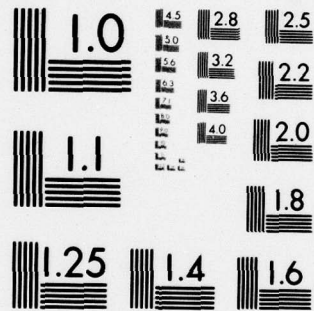
END

DATE

FILMED

11-79

DDC



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A



# FILE DOCUMENTATION

PROGRAM: P6-3 STAT.SERV.MA

FILE: FT11F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: EBCDIC

RECFM: FB

DSN: RES.ARMY.CTY

Column	Format (EBCDIC) Data Type (Binary)	Data Description
FIRST RECORD FOR DRC		
1-2	I2	DRC SEQUENCE NO.
3-5	A3	DRC CODE
6-7	A2	REGION CODE
8	1X	FILLER
9-20	3A4	DRC NAME
21-80	10(1X,15)	LIST OF FIPS CODES (MAXIMUM OF 10 PER CARD)

## CONTINUATION RECORDS FOR DRC

1-2	I2	DRC SEQUENCE NO.
3-9	7X	FILLER
10-14	I5	COUNTY FIPS
15	1X	FILLER
16-20	I5	COUNTY FIPS
21-80		SAME AS FIRST CARD

Program name: STAT.SERV.MA

Program ID: P6-3

Purpose: The purpose of this program is to list for the Navy the distribution of military available males or females by race, availability classification, and age for each county within each recruiting region.

Author: Agnes Purcell

Computer/OS: IBM 360-370/HASP

Language: FORTRAN G

Estimated Requirements:

Core: 120K

Tape Drives: 1

CPU Time: 6 MIN

Disk Drives: 1

Print Lines: 15000

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)	External
COMP (SOURCE)	
FSTPAG/NUPAG/CONTPG/LSTPAG/SUMPAC (SOURCE)	FREAD MVECR
INTCTY/CTYNAM/PRTCTY (SOURCE)	ASTSI BNSCHI
INTNAM/RDNAM (SOURCE)	LISTI
RDREG (SOURCE)	LEAVE

Input Files:

FT05F001	INPUT DATA CARDS
FT09F001	COUNTY.INFO.FILE
FT10F001	MALE.NAVY.COUNTY.POP.YR86.TRY1
	FEMALE.NAVY.COUNTY.POP.YR86.TRY1
FT11F001	RES.NAVY.CTY

Output Files:

FT21F001	COUNTY NAME RETRIEVAL DIAGNOSTICS
FT31F001	MILITARY AVAILABLE, WHITE RACE, BY SEX, AGES 17-21 REPORT
FT32F001	MILITARY AVAILABLE, BLACK RACE, BY SEX, AGES 17-21 REPORT
FT33F001	MILITARY AVAILABLE, OTHER RACE, BY SEX, AGES 17-21 REPORT
FT34F001	MILITARY AVAILABLE, ALL RACES, BY SEX, AGES 17-21 REPORT

# FILE DOCUMENTATION

PROGRAM: P6-3 STAT.SERV.MA

FILE: FT05F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 80

FILE TYPE: BCD

RECFM: FB

DSN:

Column	Format(EBCDIC) Data Type(Binary)	Data Description
<u>CARD 1</u>		
1-2	I2	SEX(1=MALE, 2=FEMALE)
<u>CARD 2</u>		
1-12	3A4	SERVICE ALL SERVICES ARMY NAVY MARINE CORPS AIR FORCE
<u>CARD 3</u>		
1-8	2A4	REGION/AREA/DISTRICT/GROUP
<u>CARD 4</u>		
1-4	A4	DISTRICT DESIGNATION ST DRC NRD RS DET
<u>CARD 5</u>		
1-40	10A4	TITLE

# FILE DOCUMENTATION

PROGRAM: P6-3 STAT.SERV.MA

FILE: FT09F001

LRECL: 140

IO TYPE: INPUT

BLKSIZE: 7000

FILE TYPE: EBCDIC

RECFM: FB

DSN: COUNTY.INFO.FILE

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	2X	FILLER
3-4	I2	FIPS STATE CODE
5-21	17A1	STATE NAME
22-23	A2	STATE ABBREVIATION
24-27	4X	FILLER
28-30	I3	COUNTY FIPS CODE
31-62	32A1	BASIC TRADING AREA (BTA) NAME
63-66	I4	BTA CODE
67-70	A4	TRADING AREA (TA) ABBR.
71-72	2X	FILLER
73-75	I3	MAJOR TRADING AREA (MTA) CODE
76-85	I10	POPULATION COUNTS (TOTAL)
86-87	2X	FILLER
88-94	I7	POPULATION COUNTS (BLACK)
95-103	I8	LAND AREA
104-112	I9	QMA POPULATION
113-120	F8.2	POPULATION DENSITY
121-122	2X	FILLER
123-140	18A1	COUNTY NAME



# FILE DOCUMENTATION

PROGRAM: P6-3 STAT.SERV.MA

FILE: FT10F001

LRECL: 76

IO TYPE: INPUT

BLKSIZE: 7600

FILE TYPE: BINARY

RECFM: FB

DSN: MALE.NAVY.COUNTY.POP.YR86.TRY1  
FEMALE.NAVY.COUNTY.POP.YR86.TRY1

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	INTEGER	REGION CODE
3-6		COUNTY CODE
7-8		SEX
9-10		RACE
11-12		AGE
13-14		HIGHEST GRADE COMPLETED
15-16		IN SCHOOL CODE
17-18		INSTITUTIONALIZED CODE
19-20		IN MILITARY CODE
21-22		VETERAN CODE
23-24		EMPLOYED CODE
25-26		SAMPLE
27-28		FILLER
29-32		INCOME (YES/NO)
33-36		INCOME (AMOUNT)
37-40	INTEGER	COUNT
41-44	REAL	ADJUSTED WEIGHT
45-48		COUNT MEN. CAT. I
49-52		II
53-56		III
57-60		IV
61-64		V
65-68		VI
69-72		COUNT MEN. CAT. VII
73-76	REAL	COUNT PHYS.UNFIT

# FILE DOCUMENTATION

PROGRAM: P6-3 STAT.SERV.MA

FILE: FT11F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: EBCDIC

RECFM: FB

DSN: RES.NAVY.CTY

Column	Format(EBCDIC) Data Type(Binary)	Data Description
FIRST RECORD FOR NRD		
1-2	I2	NRD SEQUENCE NO.
3-5	A3	NRD CODE
6-7	A2	AREA CODE
8	1X	FILLER
9-20	3A4	NRD NAME
21-80	10(1X,15)	LIST OF FIPS CODES (MAXIMUM OF 10 PER CARD)

## CONTINUATION RECORDS FOR NRD

1-2	I2	NRD SEQUENCE NO.
3-9	7X	FILLER
10-14	I5	COUNTY FIPS
15	1X	FILLER
16-20	I5	COUNTY FIPS
21-80		SAME AS FIRST CARD

Program name: STAT.SERV.MA

Program ID: P6-3

Purpose: The purpose of this program is to list for the Marines the distribution of military available males or females by race, availability classification and age for each county within each recruiting region.

Author: Agnes Purcell

Computer/OS: IBM 360-370/HASP

Language: FORTRAN G

Estimated Requirements:

Core: 120K

Tape Drives: 1

CPU Time: 6 MIN

Disk Drives: 1

Print Lines: 15000

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)	External
COMP (SOURCE)	FREAD MVECR
FSTPAG/NUPAG/CONTPG/LSTPAG/SUMPAG (SOURCE)	ASTSI BNSCHI
INTCTY/CTYNAM/PRTCTY (SOURCE)	LISTI
INTNAM/RDNAM (SOURCE)	LEAVE
RDREG (SOURCE)	

Input Files:

FT05F001	INPUT DATA CARDS
FT09F001	COUNTY.INFO.FILE
FT10F001	MALE.MARI.COUNTY.POP.YR86.TRY1
	FEMALE.MARI.COUNTY.POP.YR86.TRY1
FT11F001	RES.MARI.CTY

Output Files:

FT21F001	COUNTY NAME RETRIEVAL DIAGNOSTICS
FT31F001	MILITARY AVAILABLE, WHITE RACE, BY SEX, AGES 17-21 REPORT
FT32F001	MILITARY AVAILABLE, BLACK RACE, BY SEX, AGES 17-21 REPORT
FT33F001	MILITARY AVAILABLE, OTHER RACE, BY SEX, AGES 17-21 REPORT
FT34F001	MILITARY AVAILABLE, ALL RACES, BY SEX, AGES 17-21 REPORT

# FILE DOCUMENTATION

PROGRAM: P6-3 STAT.SERV.MA

FILE: FT05F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 80

FILE TYPE: BCD

RECFM: FB

DSN:

Column	Format(EBCDIC) Data Type(Binary)	Data Description
<u>CARD 1</u>		
1-2	I2	SEX(1=MALE, 2=FEMALE)
<u>CARD 2</u>		
1-12	3A4	SERVICE ALL SERVICES ARMY NAVY MARINE CORPS AIR FORCE
<u>CARD 3</u>		
1-8	2A4	REGION/AREA/DISTRICT/GROUP
<u>CARD 4</u>		
1-4	A4	DISTRICT DESIGNATION ST DRC NRD RS DET
<u>CARD 5</u>		
1-40	10A4	TITLE



# FILE DOCUMENTATION

PROGRAM: P6-3 STAT.SERV.MA

FILE: FT09F001

LRECL: 140

IO TYPE: INPUT

BLKSIZE: 7000

FILE TYPE: EBCDIC

RECFM: FB

DSN: COUNTY.INFO.FILE

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	2X	FILLER
3-4	I2	FIPS STATE CODE
5-21	17A1	STATE NAME
22-23	A2	STATE ABBREVIATION
24-27	4X	FILLER
28-30	I3	COUNTY FIPS CODE
31-62	32A1	BASIC TRADING AREA (BTA) NAME
63-66	I4	BTA CODE
67-70	A4	TRADING AREA (TA) ABBR.
71-72	2X	FILLER
73-75	I3	MAJOR TRADING AREA (MTA) CODE
76-85	I10	POPULATION COUNTS (TOTAL)
86-87	2X	FILLER
88-94	I7	POPULATION COUNTS (BLACK)
95-103	I8	LAND AREA
104-112	I9	QMA POPULATION
113-120	F8.2	POPULATION DENSITY
121-122	2X	FILLER
123-140	18A1	COUNTY NAME

# FILE DOCUMENTATION

PROGRAM: P6-3 STAT.SERV.MA

FILE: FT10F001

LRÉCL: 76

IO TYPE: INPUT

BLKSIZE: 7600

FILE TYPE: BINARY

RECFM: FB

DSN: MALE.MARI.COUNTY.POP.YR86.TRY1  
FEMALE.MARI.COUNTY.POP.YR86.TRY1

Column	Format (EBCDIC) Data Type (Binary)	Data Description
1-2	<div> <div>↑</div> <div>INTEGER</div> <div>↓</div> </div>	REGION CODE
3-6		COUNTY CODE
7-8		SEX
9-10		RACE
11-12		AGE
13-14		HIGHEST GRADE COMPLETED
15-16		IN SCHOOL CODE
17-18		INSTITUTIONALIZED CODE
19-20		IN MILITARY CODE
21-22		VETERAN CODE
23-24		EMPLOYED CODE
25-26		SAMPLE
27-28		FILLER
29-32		INCOME (YES/NO)
33-36		INCOME (AMOUNT)
37-40		COUNT
41-44	<div> <div>↑</div> <div>REAL</div> <div>↓</div> </div>	ADJUSTED WEIGHT
45-48		COUNT MEN. CAT. I
49-52		<div> <div>↑</div> <div>II</div> </div>
53-56		<div> <div>↑</div> <div>III</div> </div>
57-60		<div> <div>↑</div> <div>IV</div> </div>
61-64		<div> <div>↑</div> <div>V</div> </div>
65-68		<div> <div>↓</div> <div>VI</div> </div>
69-72		COUNT MEN. CAT. VII
73-76		COUNT PHYS.UNFIT

# FILE DOCUMENTATION

PROGRAM: P6-3 STAT.SERV.MA

FILE: FT11F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: EBCDIC

RECFM: FB

DSN: RES.MARI.CTY

Column	Format(EBCDIC) Data Type(Binary)	Data Description
FIRST RECORD FOR RS		
1-2	I2	RS SEQUENCE NO.
3-5	A3	RS CODE
6-7	A2	DISTRICT CODE
8	1X	FILLER
9-20	3A4	RS NAME
21-80	10(1X,I5)	LIST OF FIPS CODES (MAXIMUM OF 10 PER CARD)

CONTINUATION RECORDS FOR RS		
1-2	I2	RS SEQUENCE NO.
3-9	7X	FILLER
10-14	I5	COUNTY FIPS
15	1X	FILLER
16-20	I5	COUNTY FIPS
21-80		SAME AS FIRST CARD

Program name: STAT.SERV.MA

Program ID: P6-3

Purpose:

The purpose of this program is to list for the Air Force the distribution of military available males or females by race, availability classification and age for each county within each recruiting region.

Author: Agnes Purcell

Computer/OS: IBM 360-370/HASP

Language: FORTRAN G

Estimated Requirements:

Core: 120K

Tape Drives: 1

CPU Time: 6 MIN

Disk Drives: 1

Print Lines: 15000

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)	External
COMP (SOURCE)	FREAD MVECR
FSTPAG/NUPAG/CONTPG/LSTPAG/SUMPAG (SOURCE)	ASTSI BNSCHI
INTCTY/CTYNAM/PRTCTY (SOURCE)	LISTI
INTNAM/RDNAM (SOURCE)	LEAVE
RDREG	

Input Files:

FT05F001	INPUT DATA CARDS
FT09F001	COUNTY.INFO.FILE
FT10F001	MALE.AIRF.COUNTY.POP.YR86.TRY1
	FEMALE.AIRF.COUNTY.POP.YR86.TRY1
FT11F001	RES.AIRF.CTY

Output Files:

FT21F001	COUNTY NAME RETRIEVAL DIAGNOSTICS
FT31F001	MILITARY AVAILABLE, WHITE RACE, BY SEX, AGES 17-21 REPORT
FT32F001	MILITARY AVAILABLE, BLACK RACE, BY SEX, AGES 17-21 REPORT
FT33F001	MILITARY AVAILABLE, OTHER RACE, BY SEX, AGES 17-21 REPORT
FT34F001	MILITARY AVAILABLE, ALL RACES, BY SEX, AGES 17-21 REPORT



# FILE DOCUMENTATION

PROGRAM: P6-3 STAT.SERV.MA

FILE: FT05F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 80

FILE TYPE: BCD

RECFM: FB

DSN:

Column	Format(EBCDIC) Data Type(Binary)	Data Description
<u>CARD 1</u>		
1-2	I2	SEX(1=MALE, 2=FEMALE)
<u>CARD 2</u>		
1-12	3A4	SERVICE ALL SERVICES ARMY NAVY MARINE CORPS AIR FORCE
<u>CARD 3</u>		
1-8	2A4	REGION/AREA/DISTRICT/GROUP
<u>CARD 4</u>		
1-4	A4	DISTRICT DESIGNATION ST DRC NRD RS DET
<u>CARD 5</u>		
1-40	10A4	TITLE

# FILE DOCUMENTATION

PROGRAM: P6-3 STAT.SERV.MA

FILE: FT09F001

LRECL: 140

IO TYPE: INPUT

BLKSIZE: 7000

FILE TYPE: EBCDIC

RECFM: FB

DSN: COUNTY.INFO.FILE

Column	Format (EBCDIC) Data Type (Binary)	Data Description
1-2	2X	FILLER
3-4	I2	FIPS STATE CODE
5-21	17A1	STATE NAME
22-23	A2	STATE ABBREVIATION
24-27	4X	FILLER
28-30	I3	COUNTY FIPS CODE
31-62	32A1	BASIC TRADING AREA (BTA) NAME
63-66	I4	BTA CODE
67-70	A4	TRADING AREA (TA) ABBR.
71-72	2X	FILLER
73-75	I3	MAJOR TRADING AREA (MTA) CODE
76-85	I10	POPULATION COUNTS (TOTAL)
86-87	2X	FILLER
88-94	I7	POPULATION COUNTS (BLACK)
95-103	I8	LAND AREA
104-112	I9	QMA POPULATION
113-120	F8.2	POPULATION DENSITY
121-122	2X	FILLER
123-140	18A1	COUNTY NAME

# FILE DOCUMENTATION

PROGRAM: P6-3 STAT.SERV.MA

FILE: FT10F001

LRECL: 76

IO TYPE: INPUT

BLKSIZE: 7600

FILE TYPE: BINARY

RECFM: FB

DSN: MALE.AIRF.COUNTY.POP.YR86.TRY1

FEMALE.AIRF.COUNTY.POP.YR86.TRY1

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	INTEGER	REGION CODE
3-6		COUNTY CODE
7-8		SEX
9-10		RACE
11-12		AGE
13-14		HIGHEST GRADE COMPLETED
15-16		IN SCHOOL CODE
17-18		INSTITUTIONALIZED CODE
19-20		IN MILITARY CODE
21-22		VETERAN CODE
23-24		EMPLOYED CODE
25-26		SAMPLE
27-28		FILLER
29-32		INCOME (YES/NO)
33-36		INCOME (AMOUNT)
37-40	INTEGER	COUNT
41-44	REAL	ADJUSTED WEIGHT
45-48		COUNT MEN. CAT. I
49-52		II
53-56		III
57-60		IV
61-64		V
65-68		VI
69-72		COUNT MEN. CAT. VII
73-76	REAL	COUNT PHYS.UNFIT

# FILE DOCUMENTATION

PROGRAM: P6-3 STAT.SERV.MA

FILE: FT11F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: EBCDIC

RECFM: FB

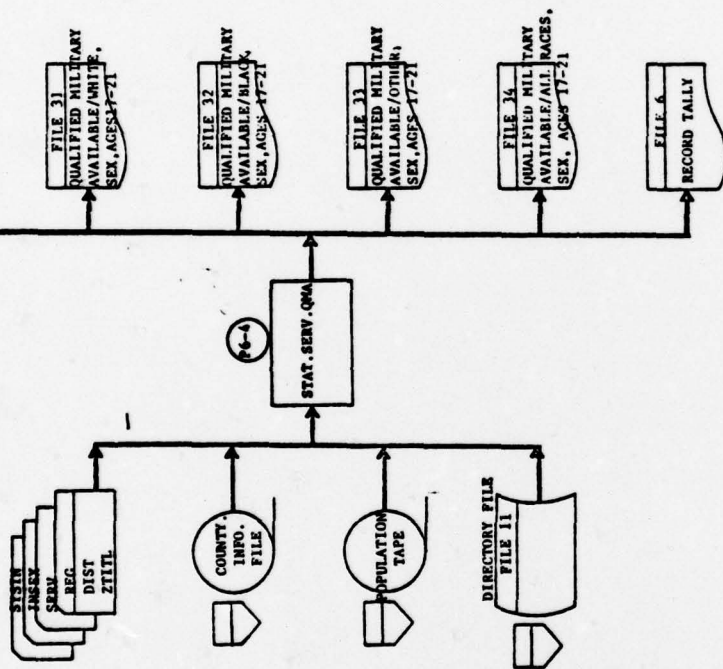
DSN: RES.AIRF.CTY

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1st RECORD FOR DET		
1-2	I2	DET SEQUENCE NO.
3-5	A3	DET CODE
6-7	A2	GROUP CODE
8	1X	FILLER
9-20	3A4	DRC NAME
21-80	10(1X,I5)	LIST OF FIPS CODES (MAXIMUM OF 10 PER CARD)

## CONTINUATION RECORDS FOR DET

1-2	I2	DET SEQUENCE NO.
3-9	7X	FILLER
10-14	I5	COUNTY FIPS
15	1X	FILLER
16-20	I5	COUNTY FIPS
21-80		SAME AS FIRST CARD





POPULATION TAPE

3	6	MALE .ST. COUNTY .POP. YR86. TRY1
3	7	FEMALE .ST. COUNTY .POP. YR86. TRY1
3	6	MALE .ARMY .COUNTY .POP. YR86. TRY1
3	7	FEMALE .ARMY .COUNTY .POP. YR86. TRY1
3	6	MALE .NAVY .COUNTY .POP. YR86. TRY1
3	7	FEMALE .NAVY .COUNTY .POP. YR86. TRY1
3	6	MALE .MAR1 .COUNTY .POP. YR86. TRY1
3	7	FEMALE .MAR1 .COUNTY .POP. YR86. TRY1
3	6	MALE .AIRF .COUNTY .POP. YR86. TRY1
3	7	FEMALE .AIRF .COUNTY .POP. YR86. TRY1

2		6		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2		2	
---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--

Program name: STAT.SERV.QMA

Program ID: P6-4

Purpose:

The purpose of this program is to list for all services the distribution of qualified military available males or females by race, availability classification, and education level for each county group within each state.

Author: Agnes Purcell

Computer/OS: IBM 360-370/HASP

Language: FORTRAN G

Estimated Requirements:

Core: 120K

Tape Drives: 1

CPU Time: 6 MIN

Disk Drives: 1

Print Lines: 15000

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)

External

COMP (SOURCE)

FSTPAG/NUPAG/CONTPG/LSTPAG/SUNPAG (SOURCE)

FREAD

MVECR

INTCTY/CTYNAM/PRTCTY (SOURCE)

ASTSI

BNSCHI

INTNAM/RDNAM (SOURCE)

LISTI

RDREG (SOURCE)

LEAVE

Input Files:

FT05F001 INPUT DATA CARDS

FT09F001 COUNTY.INFO.FILE

FT10F001 MALE.NAVY.COUNTY.POP.YR86.TRY1

FEMALE.NAVY.COUNTY.POP.YR86.TRY1

FT11F001 RES.NAVY.CTY

Output Files:

FT21F001 COUNTY NAME RETRIEVAL DIAGNOSTICS

FT31F001 MILITARY AVAILABLE, WHITE RACE, BY SEX, BY EDUCATION

FT32F001 MILITARY AVAILABLE, BLACK RACE, BY SEX, BY EDUCATION

FT33F001 MILITARY AVAILABLE, OTHER RACE, BY SEX, BY EDUCATION

FT34F001 MILITARY AVAILABLE, ALL RACES, BY SEX, BY EDUCATION

# FILE DOCUMENTATION

PROGRAM: P6-4 STAT.SERV.QMA

FILE: FT05F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 80

FILE TYPE: BCD

RECFM: FB

DSN:

Column	Format(EBCDIC) Data Type(Binary)	Data Description
<u>CARD 1</u>		
1-2	I2	SEX(1=MALE, 2=FEMALE)
<u>CARD 2</u>		
1-12	3A4	SERVICE ALL SERVICES ARMY NAVY MARINE CORPS AIR FORCE
<u>CARD 3</u>		
1-8	2A4	REGION/AREA/DISTRICT/GROUP
<u>CARD 4</u>		
1-4	A4	DISTRICT DESIGNATION ST DRC NRD RS DET
<u>CARD 5</u>		
1-40	10A4	TITLE

# FILE DOCUMENTATION

PROGRAM: P6- 4 STAT.SERV.QMA

FILE: FT09F001

LRECL: 140

IO TYPE: INPUT

BLKSIZE: 7000

FILE TYPE: EBCDIC

RECFM: FB

DSN: COUNTY.INFO.FILE

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	2X	FILLER
3-4	I2	FIPS STATE CODE
5-21	17A1	STATE NAME
22-23	A2	STATE ABBREVIATION
24-27	4X	FILLER
28-30	I3	COUNTY FIPS CODE
31-62	32A1	BASIC TRADING AREA (BTA) NAME
63-66	I4	BTA CODE
67-70	A4	TRADING AREA (TA) ABBR.
71-72	2X	FILLER
73-75	I3	MAJOR TRADING AREA (MTA) CODE
76-85	I10	POPULATION COUNTS (TOTAL)
86-87	2X	FILLER
88-94	I7	POPULATION COUNTS (BLACK)
95-103	I8	LAND AREA
104-112	I9	QMA POPULATION
113-120	F8.2	POPULATION DENSITY
121-122	2X	FILLER
123-140	18A1	COUNTY NAME



# FILE DOCUMENTATION

PROGRAM: P6-4 STAT.SERV. QMA

FILE: FT10F001

LRECL: 76

IO TYPE: INPUT

BLKSIZE: 7600

FILE TYPE: BINARY

RECFM: FB

DSN: MALE.ST.COUNTY.POP.YR86.TRY1  
FEMALE.ST.COUNTY.POP.YR86.TRY1

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	↑ INTEGER ↓	REGION CODE
3-6		COUNTY CODE
7-8		SEX
9-10		RACE
11-12		AGE
13-14		HIGHEST GRADE COMPLETED
15-16		IN SCHOOL CODE
17-18		INSTITUTIONALIZED CODE
19-20		IN MILITARY CODE
21-22		VETERAN CODE
23-24		EMPLOYED CODE
25-26		SAMPLE
27-28		FILLER
29-32		INCOME (YES/NO)
33-36		INCOME (AMOUNT)
37-40		COUNT
41-44		ADJUSTED WEIGHT
45-48	↑ REAL ↓	COUNT MEN. CAT. I
49-52		II
53-56		III
57-60		IV
61-64		V
65-68		VI
69-72		COUNT MEN. CAT. VII
73-76	REAL	COUNT PHYS.UNFIT

# FILE DOCUMENTATION

PROGRAM: P6- 4      STAT.SERV.QMA

FILE: FT11F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: EBCDIC

RECFM: FB

DSN: RES.STATE.CTY

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1st CARD FOR STATE		
1-2	I2	STATE CODE
3	1X	FILLER
4-5	A2	STATE ABBREVIATION
6-7	A2	CENSUS REGION
8	1X	FILLER
9-20	3A4	STATE NAME
21-80	10(1X,I5)	FIPS CODE LIST (MAXIMUM OF 10 CODES PER CARD)
CONTINUATION CARDS		
1-2	I2	STATE CODE
3-20	18X	FILLER
21-80	10(1X,I5)	FIPS CODES (MAXIMUM OF 10 CODES PER CARD)

Program name: STAT.SERV.QMA

Program ID: P6-4

Purpose:

The purpose of this program is to list for Army distribution of qualified military available males or females by race, availability classification, and education level for each county group within each state.

Author: Agnes Purcell

Computer/OS: IBM 360-370/HASP

Language: FORTRAN G

Estimated Requirements:

Core: 120K

Tape Drives: 1

CPU Time: 6 MIN

Disk Drives: 1

Print Lines: 15000

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)  
COMP (SOURCE)

External

FSTPAG/NUPAG/CONTPG/LSTPAG/SUMPAG (SOURCE)

FREAD

MVECR

INTCTY/CTYNAM/PRCTY (SOURCE)

ASTSI

BNSCHI

INTNAM/RDNAM (SOURCE)

LISTI

RDREG (SOURCE)

LEAVE

Input Files:

FT05F001 INPUT DATA CARDS

FT09F001 COUNTY.INFO.FILE

FT10F001 MALE.ARMY.COUNTY.POP.YR86.TRY1

FEMALE.ARMY.COUNTY.POP.YR86.TRY1

FT11F001 RES.ARMY.CTY

Output Files:

FT21F001 COUNTY NAME RETRIEVAL DIAGNOSTICS

FT31F001 MILITARY AVAILABLE, WHITE RACE, BY SEX, BY EDUCATION

FT32F001 MILITARY AVAILABLE, BLACK RACE, BY SEX, BY EDUCATION

FT33F001 MILITARY AVAILABLE, OTHER RACE, BY SEX, BY EDUCATION

FT34F001 MILITARY AVAILABLE, ALL RACES, BY SEX, BY EDUCATION

# FILE DOCUMENTATION

PROGRAM: P6-4 STAT.SERV.QMA

FILE: FT05F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 80

FILE TYPE: BCD

RECFM: FB

DSN:

Column	Format(EBCDIC) Data Type(Binary)	Data Description
<u>CARD 1</u>		
1-2	I2	SEX(1=MALE, 2=FEMALE)
<u>CARD 2</u>		
1-12	3A4	SERVICE ALL SERVICES ARMY NAVY MARINE CORPS AIR FORCE
<u>CARD 3</u>		
1-8	2A4	REGION/AREA/DISTRICT/GROUP
<u>CARD 4</u>		
1-4	A4	DISTRICT DESIGNATION ST DRC NRD RS DET
<u>CARD 5</u>		
1-40	10A4	TITLE



# FILE DOCUMENTATION

PROGRAM: P6-4 STAT.SERV.QMA

FILE: FT09F001

LRECL: 140

IO TYPE: INPUT

BLKSIZE: 7000

FILE TYPE: EBCDIC

RECFM: FB

DSN: COUNTY.INFO.FILE

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	2X	FILLER
3-4	I2	FIPS STATE CODE
5-21	17A1	STATE NAME
22-23	A2	STATE ABBREVIATION
24-27	4X	FILLER
28-30	I3	COUNTY FIPS CODE
31-62	32A1	BASIC TRADING AREA (BTA) NAME
63-66	I4	BTA CODE
67-70	A4	TRADING AREA (TA) ABBR.
71-72	2X	FILLER
73-75	I3	MAJOR TRADING AREA (MTA) CODE
76-85	I10	POPULATION COUNTS (TOTAL)
86-87	2X	FILLER
88-94	I7	POPULATION COUNTS (BLACK)
95-103	I8	LAND AREA
104-112	I9	QMA POPULATION
113-120	F8.2	POPULATION DENSITY
121-122	2X	FILLER
123-140	18A1	COUNTY NAME

# FILE DOCUMENTATION

PROGRAM: P6-4 STAT.SERV.QMA

FILE: FT11F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: EBCDIC

RECFM: FB

DSN: RES.ARMV.CTY

Column	Format(EBCDIC) Data Type(Binary)	Data Description
FIRST RECORD FOR DRC		
1-2	I2	DRC SEQUENCE NO.
3-5	A3	DRC CODE
6-7	A2	REGION CODE
8	1X	FILLER
9-20	3A4	DRC NAME
21-80	10(1X,I5)	LIST OF FIPS CODES (MAXIMUM OF 10 PER CARD)

## CONTINUATION RECORDS FOR DRC

1-2	I2	DRC SEQUENCE NO.
3-9	7X	FILLER
10-14	I5	COUNTY FIPS
15	1X	FILLER
16-20	I5	COUNTY FIPS
21-80		SAME AS FIRST CARD

# FILE DOCUMENTATION

PROGRAM: P6-4 STAT.SERV. QMA

FILE: FT10F001

LRECL: 76

IO TYPE: INPUT

BLKSIZE: 7600

FILE TYPE: BINARY

RECFM: FB

DSN: MALE.ARMY.COUNTY.POP.YR86.TRY1  
FEMALE.ARMY.COUNTY.POP.YR86.TRY1

Column	Format (EBCDIC) Data Type (Binary)	Data Description
1-2	↑ INTEGER	REGION CODE
3-6		COUNTY CODE
7-8		SEX
9-10		RACE
11-12		AGE
13-14		HIGHEST GRADE COMPLETED
15-16		IN SCHOOL CODE
17-18		INSTITUTIONALIZED CODE
19-20		IN MILITARY CODE
21-22		VETERAN CODE
23-24		EMPLOYED CODE
25-26		SAMPLE
27-28		FILLER
29-32		INCOME (YES/NO)
33-36		INCOME (AMOUNT)
37-40	↓ INTEGER	COUNT
41-44	↑ REAL	ADJUSTED WEIGHT
45-48		COUNT MEN. CAT. I
49-52		↑ II
53-56		↑ III
57-60		↑ IV
61-64		↑ V
65-68		↑ VI
69-72		↓ COUNT MEN. CAT. VII
73-76	↓ REAL	COUNT PHYS.UNFIT

Program name: STAT.SERV.QMA

Program ID: P6-4

Purpose:

The purpose of this program is to list for Marine Corps distribution of qualified military available males or females by race, availability classification, and education level for each county group within each state.

Author: Agnes Purcell

Computer/OS: IBM 360-370/HASP

Language: FORTRAN G

Estimated Requirements:

Core: 120K

Tape Drives: 1

CPU Time: 6 MIN

Disk Drives: 1

Print Lines: 15000

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)	External
COMP (SOURCE)	FREAD MVECR
FSTPAG/NUPAG/CONTPG/LSTPAG/SUMPAG (SOURCE)	ASTSI BNSCHI
INTCTY/CTYNAM/PRTCTY (SOURCE)	LISTI
INTNAM/RDNAM (SOURCE)	LEAVE
RDREG (SOURCE)	

Input Files:

FT05F001	INPUT DATA CARDS
FT09F001	COUNTY.INFO.FILE
FT10F001	MALE.MARI.COUNTY.POP.YR86.TRY1
	FEMALE.MARI.COUNTY.POP.YR86.TRY1
FT11F001	RES.MARI.CTY

Output Files:

FT21F001	COUNTY NAME RETRIEVAL DIAGNOSTICS
FT31F001	MILITARY AVAILABLE, WHITE RACE, BY SEX, BY EDUCATION
FT32F001	MILITARY AVAILABLE, BLACK RACE, BY SEX, BY EDUCATION
FT33F001	MILITARY AVAILABLE, OTHER RACE, BY SEX, BY EDUCATION
FT34F001	MILITARY AVAILABLE, ALL RACES, BY SEX, BY EDUCATION



# FILE DOCUMENTATION

PROGRAM: P6- 4 STAT.SERV.QMA

FILE: FT05F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 80

FILE TYPE: BCD

RECFM: FB

DSN:

Column	Format(EBCDIC) Data Type(Binary)	Data Description
<u>CARD 1</u>		
1-2	I2	SEX(1=MALE, 2=FEMALE)
<u>CARD 2</u>		
1-12	3A4	SERVICE ALL SERVICES ARMY NAVY MARINE CORPS AIR FORCE
<u>CARD 3</u>		
1-8	2A4	REGION/AREA/DISTRICT/GROUP
<u>CARD 4</u>		
1-4	A4	DISTRICT DESIGNATION ST DRC NRD RS DET
<u>CARD 5</u>		
1-40	10A4	TITLE

# FILE DOCUMENTATION

PROGRAM: P6-4 STAT.SERV.QMA

FILE: FT09F001

LRECL: 140

IO TYPE: INPUT

BLKSIZE: 7000

FILE TYPE: EBCDIC

RECFM: FB

DSN: COUNTY.INFO.FILE

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	2X	FILLER
3-4	I2	FIPS STATE CODE
5-21	17A1	STATE NAME
22-23	A2	STATE ABBREVIATION
24-27	4X	FILLER
28-30	I3	COUNTY FIPS CODE
31-62	32A1	BASIC TRADING AREA (BTA) NAME
63-66	I4	BTA CODE
67-70	A4	TRADING AREA (TA) ABBR.
71-72	2X	FILLER
73-75	I3	MAJOR TRADING AREA (MTA) CODE
76-85	I10	POPULATION COUNTS (TOTAL)
86-87	2X	FILLER
88-94	I7	POPULATION COUNTS (BLACK)
95-103	I8	LAND AREA
104-112	I9	QMA POPULATION
113-120	F8.2	POPULATION DENSITY
121-122	2X	FILLER
123-140	18A1	COUNTY NAME

# FILE DOCUMENTATION

PROGRAM: P6-4 STAT.SERV.QMA

FILE: FT11F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: EBCDIC

RECFM: FB

DSN: RES.NAVY.CTY

Column	Format(EBCDIC) Data Type(Binary)	Data Description
FIRST RECORD FOR NRD		
1-2	I2	NRD SEQUENCE NO.
3-5	A3	NRD CODE
6-7	A2	AREA CODE
8	1X	FILLER
9-20	3A4	NRD NAME
21-80	10(1X,I5)	LIST OF FIPS CODES (MAXIMUM OF 10 PER CARD)

## CONTINUATION RECORDS FOR NRD

1-2	I2	NRD SEQUENCE NO.
3-9	7X	FILLER
10-14	I5	COUNTY FIPS
15	1X	FILLER
16-20	I5	COUNTY FIPS
21-80		SAME AS FIRST CARD

# FILE DOCUMENTATION

PROGRAM: P6-4 STAT.SERV.QMA

FILE: FT10F001

LRECL: 76

IO TYPE: INPUT

BLKSIZE: 7600

FILE TYPE: BINARY

RECFM: FB

DSN: MALE.NAVY.COUNTY.POP.YR86.TRY1  
FEMALE.NAVY.COUNTY.POP.YR86.TRY1

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	INTEGER	REGION CODE
3-6		COUNTY CODE
7-8		SEX
9-10		RACE
11-12		AGE
13-14		HIGHEST GRADE COMPLETED
15-16		IN SCHOOL CODE
17-18		INSTITUTIONALIZED CODE
19-20		IN MILITARY CODE
21-22		VETERAN CODE
23-24		EMPLOYED CODE
25-26		SAMPLE
27-28		FILLER
29-32		INCOME (YES/NO)
33-36		INCOME (AMOUNT)
37-40	INTEGER	COUNT
41-44	REAL	ADJUSTED WEIGHT
45-48		COUNT MEN. CAT. I
49-52		II
53-56		III
57-60		IV
61-64		V
65-68		VI
69-72		COUNT MEN. CAT. VII
73-76	REAL	COUNT PHYS.UNFIT



Program name: STAT.SERV.QMA

Program ID: P6-4

Purpose:

The purpose of this program is to list for Navy distribution of qualified military available males or females by race, availability classification, and education level for each county group within each state.

Author: Agnes Purcell

Computer/OS: IBM 360-370/HASP

Language: FORTRAN G

Estimated Requirements:

Core: 120K

Tape Drives: 1

CPU Time: 6 MIN

Disk Drives: 1

Print Lines: 15000

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)	External
COMP (SOURCE)	
FSTPAG/NUPAG/CONTPG/LSTPAG/SUMPAG (SOURCE)	FREAD MVECR
INITCTY/CTYNAM/PRTCTY (SOURCE)	ASTSI BNSCHI
INTNAM/RDNAM (SOURCE)	LISTI
RDREG (SOURCE)	LEAVE

Input Files:

FT05F001	INPUT DATA CARDS
FT09F001	COUNTY.INFO.FILE
FT10F001	MALE.NAVY.COUNTY.POP.YR86.TRY1
	FEMALE.NAVY.COUNTY.POP.YR86.TRY1
FT11F001	RES.NAVY.CTY

Output Files:

FT21F001	COUNTY NAME RETRIEVAL DIAGNOSTICS
FT31F001	MILITARY AVAILABLE, WHITE RACE, BY SEX, BY EDUCATION
FT32F001	MILITARY AVAILABLE, BLACK RACE, BY SEX, BY EDUCATION
FT33F001	MILITARY AVAILABLE, OTHER RACE, BY SEX, BY EDUCATION
FT34F001	MILITARY AVAILABLE, ALL RACES, BY SEX, BY EDUCATION

# FILE DOCUMENTATION

PROGRAM: P6-4 STAT.SERV.QMA

FILE: FT05F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 80

FILE TYPE: BCD

RECFM: FB

DSN:

Column	Format(EBCDIC) Data Type(Binary)	Data Description
<u>CARD 1</u>		
1-2	12	SEX(1=MALE, 2=FEMALE)
<u>CARD 2</u>		
1-12	3A4	SERVICE ALL SERVICES ARMY NAVY MARINE CORPS AIR FORCE
<u>CARD 3</u>		
1-8	2A4	REGION/AREA/DISTRICT/GROUP
<u>CARD 4</u>		
1-4	A4	DISTRICT DESIGNATION ST DRC NRD RS DET
<u>CARD 5</u>		
1-40	10A4	TITLE

# FILE DOCUMENTATION

PROGRAM: P6-4 STAT.SERV. QMA

FILE: FT09F001

LRECL: 140

IO TYPE: INPUT

BLKSIZE: 7000

FILE TYPE: EBCDIC

RECFM: FB

DSN: COUNTY.INFO.FILE

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	2X	FILLER
3-4	I2	FIPS STATE CODE
5-21	17A1	STATE NAME
22-23	A2	STATE ABBREVIATION
24-27	4X	FILLER
28-30	I3	COUNTY FIPS CODE
31-62	32A1	BASIC TRADING AREA (BTA) NAME
63-66	I4	BTA CODE
67-70	A4	TRADING AREA (TA) ABBR.
71-72	2X	FILLER
73-75	I3	MAJOR TRADING AREA (MTA) CODE
76-85	I10	POPULATION COUNTS (TOTAL)
86-87	2X	FILLER
88-94	I7	POPULATION COUNTS (BLACK)
95-103	I8	LAND AREA
104-112	I9	QMA POPULATION
113-120	F8.2	POPULATION DENSITY
121-122	2X	FILLER
123-140	18A1	COUNTY NAME



# FILE DOCUMENTATION

PROGRAM: P6-4 STAT.SERV.QMA

FILE: FT10F001

LRÉCL: 76

IO TYPE: INPUT

BLKSIZE: 7600

FILE TYPE: BINARY

RECFM: FB

DSN: MALE.MARI.COUNTY.POP.YR86.TRY1  
FEMALE.MARI.COUNTY.POP.YR86.TRY1

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	INTEGER	REGION CODE
3-6		COUNTY CODE
7-8		SEX
9-10		RACE
11-12		AGE
13-14		HIGHEST GRADE COMPLETED
15-16		IN SCHOOL CODE
17-18		INSTITUTIONALIZED CODE
19-20		IN MILITARY CODE
21-22		VETERAN CODE
23-24		EMPLOYED CODE
25-26		SAMPLE
27-28		FILLER
29-32		INCOME (YES/NO)
33-36		INCOME (AMOUNT)
37-40	INTEGER	COUNT
41-44	REAL	ADJUSTED WEIGHT
45-48		COUNT MEN. CAT. I
49-52		II
53-56		III
57-60		IV
61-64		V
65-68		VI
69-72		COUNT MEN. CAT. VII
73-76	REAL	COUNT PHYS.UNFIT



# FILE DOCUMENTATION

PROGRAM: P6-4 STAT.SERV.QMA

FILE: FT11F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: EBCDIC

RECFM: FB

DSN: RES.MARI.CTY

Column	Format(EBCDIC) Data Type(Binary)	Data Description
FIRST RECORD FOR RS		
1-2	I2	RS SEQUENCE NO.
3-5	A3	RS CODE
6-7	A2	DISTRICT CODE
8	1X	FILLER
9-20	3A4	RS NAME
21-80	10(1X,I5)	LIST OF FIPS CODES (MAXIMUM OF 10 PER CARD)

CONTINUATION RECORDS FOR RS		
1-2	I2	RS SEQUENCE NO.
3-9	7X	FILLER
10-14	I5	COUNTY FIPS
15	1X	FILLER
16-20	I5	COUNTY FIPS
21-80		SAME AS FIRST CARD

Program name: STAT.SERV. QMA

Program ID: P6-4

Purpose:

The purpose of this program is to list for Air Force distribution of qualified military available males or females by race, availability classification, and education level for each county group within each state.

Author: Agnes Purcell

Computer/OS: IBM 360-370/HASP

Language: FORTRAN G

Estimated Requirements:

Core: 120K

Tape Drives: 1

CPU Time: 6 MIN

Disk Drives: 1

Print Lines: 15000

Subroutine name/entry/entry...

Internal (SOURCE/OBJECT)	External
COMP (SOURCE)	FREAD MVECR
FSTPAG/NUPAG/CONTPG/LSTPAG/SUMPAG (SOURCE)	ASTSI BNSCHI
INTCTY/CTYNAM/PRTCTY (SOURCE)	LISTI
INTNAM/RDNAM (SOURCE)	LEAVE
RDREG	

Input Files:

FT05F001	INPUT DATA CARDS
FT09F001	COUNTY.INFO.FILE
FT10F001	MALE.AIRF.COUNTY.POP.YR86.TRY1
	FEMALE.AIRF.COUNTY.POP.YR86.TRY1
FT11F001	RES.AIRF.CTY

Output Files:

FT21F001	COUNTY NAME RETRIEVAL DIAGNOSTICS
FT31F001	MILITARY AVAILABLE, WHITE RACE, BY SEX, BY EDUCATION
FT32F001	MILITARY AVAILABLE, BLACK RACE, BY SEX, BY EDUCATION
FT33F001	MILITARY AVAILABLE, OTHER RACE, BY SEX, BY EDUCATION
FT34F001	MILITARY AVAILABLE, ALL RACES, BY SEX, BY EDUCATION

# FILE DOCUMENTATION

PROGRAM: P6-4 STAT.SERV.QMA

FILE: FT05F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 80

FILE TYPE: BCD

RECFM: FB

DSN:

Column	Format(EBCDIC) Data Type(Binary)	Data Description
<u>CARD 1</u>		
1-2	I2	SEX(1=MALE, 2=FEMALE)
<u>CARD 2</u>		
1-12	3A4	SERVICE ALL SERVICES ARMY NAVY MARINE CORPS AIR FORCE
<u>CARD 3</u>		
1-8	2A4	REGION/AREA/DISTRICT/GROUP
<u>CARD 4</u>		
1-4	A4	DISTRICT DESIGNATION ST DRC NRD RS DET
<u>CARD 5</u>		
1-40	10A4	TITLE

# FILE DOCUMENTATION

PROGRAM: P6- 4 STAT.SERV.QMA

FILE: FT09F001

LRECL: 140

IO TYPE: INPUT

BLKSIZE: 7000

FILE TYPE: EBCDIC

RECFM: FB

DSN: COUNTY.INFO.FILE

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1-2	2X	FILLER
3-4	I2	FIPS STATE CODE
5-21	17A1	STATE NAME
22-23	A2	STATE ABBREVIATION
24-27	4X	FILLER
28-30	I3	COUNTY FIPS CODE
31-62	32A1	BASIC TRADING AREA (BTA) NAME
63-66	I4	BTA CODE
67-70	A4	TRADING AREA (TA) ABBR.
71-72	2X	FILLER
73-75	I3	MAJOR TRADING AREA (MTA) CODE
76-85	I10	POPULATION COUNTS (TOTAL)
86-87	2X	FILLER
88-94	I7	POPULATION COUNTS (BLACK)
95-103	I8	LAND AREA
104-112	I9	QMA POPULATION
113-120	F8.2	POPULATION DENSITY
121-122	2X	FILLER
123-140	18A1	COUNTY NAME



# FILE DOCUMENTATION

PROGRAM: P6- 4 STAT.SERV.QMA

FILE: FT10F001

LRECL: 76

IO TYPE: INPUT

BLKSIZE: 7600

FILE TYPE: BINARY

RECFM: FB

DSN: MALE.AIRF.COUNTY.POP.YR86.TRY1

FEMALE.AIRF.COUNTY.POP.YR86.TRY1

Column	Format (EBCDIC) Data Type (Binary)	Data Description
1-2	↑ INTEGER	REGION CODE
3-6		COUNTY CODE
7-8		SEX
9-10		RACE
11-12		AGE
13-14		HIGHEST GRADE COMPLETED
15-16		IN SCHOOL CODE
17-18		INSTITUTIONALIZED CODE
19-20		IN MILITARY CODE
21-22		VETERAN CODE
23-24		EMPLOYED CODE
25-26		SAMPLE
27-28		FILLER
29-32		INCOME (YES/NO)
33-36		INCOME (AMOUNT)
37-40	↓ INTEGER	COUNT
41-44	↑ REAL	ADJUSTED WEIGHT
45-48		COUNT MEN. CAT. I
49-52		↑ II
53-56		↑ III
57-60		↑ IV
61-64		↑ V
65-68		↑ VI
69-72	↓ REAL	COUNT MEN. CAT. VII
73-76		COUNT PHYS.UNFIT

# FILE DOCUMENTATION

PROGRAM: P6-4 STAT.SERV.QMA

FILE: FT11F001

LRECL: 80

IO TYPE: INPUT

BLKSIZE: 7200

FILE TYPE: EBCDIC

RECFM: FB

DSN: RES.AIRF.CTY

Column	Format(EBCDIC) Data Type(Binary)	Data Description
1st RECORD FOR DET		
1-2	I2	DET SEQUENCE NO.
3-5	A3	DET CODE
6-7	A2	GROUP CODE
8	1X	FILLER
9-20	3A4	DRC NAME
21-80	10(1X,I5)	LIST OF FIPS CODES (MAXIMUM OF 10 PER CARD)

## CONTINUATION RECORDS FOR DET

1-2	I2	DET SEQUENCE NO.
3-9	7X	FILLER
10-14	I5	COUNTY FIPS
15	1X	FILLER
16-20	I5	COUNTY FIPS
21-80		SAME AS FIRST CARD

## GRC DISTRIBUTION LIST

1 January 1975

Recipients of this document are indicated by ☒

Address code	Agency	Number of copies
<b>DEPARTMENT OF DEFENSE</b>		
<input type="checkbox"/> A1	Assistant Secretary of Defense (ISA)	1
<input type="checkbox"/> A2	Assistant Secretary of Defense (COMP)	1
<input type="checkbox"/> A3	Assistant Secretary of Defense (I)	2
<input type="checkbox"/> A4	Assistant Secretary of Defense (T)	1
<input type="checkbox"/> A5	Assistant Secretary of Defense (I&L)	1
<input checked="" type="checkbox"/> A6	Assistant Secretary of Defense (M&RA)	1
<input type="checkbox"/> A7	Assistant to the Secretary (AE)	1
<input type="checkbox"/> A15	Director, Defense Program Analysis & Evaluation	2
<input type="checkbox"/> A16	Director, Defense Research & Engineering	4
<input type="checkbox"/> A17	Director, Defense Communications Agency	1
<input type="checkbox"/> A18	Director, Weapons Systems Evaluation Group	1
<input type="checkbox"/> A19	Director, Defense Advanced Research Projects Agency	1
<input type="checkbox"/> A20	Director, Defense Nuclear Agency	1
<input type="checkbox"/> A21	Director, Defense Supply Agency	1
<input type="checkbox"/> A22	Director, National Security Agency	1
<input type="checkbox"/> A27	Director, Joint Staff (OJCS)	1
<input type="checkbox"/> A28	Joint Chiefs of Staff (SAGA)	1
<input type="checkbox"/> A29	Joint Chiefs of Staff (J-3)	1
<input type="checkbox"/> A30	Joint Chiefs of Staff (J-4)	1
<input type="checkbox"/> A31	Joint Chiefs of Staff (J-5)	1
<input type="checkbox"/> A32	Joint Chiefs of Staff (J-6)	1
<input type="checkbox"/> A37	Director, Defense Intelligence Agency	1
<input type="checkbox"/> A38	Defense Intelligence Agency (DI)	1
<input type="checkbox"/> A39	Defense Intelligence Agency (DT)	1
<input type="checkbox"/> A40	Defense Intelligence Agency (DE)	1
<input type="checkbox"/> A41	Defense Intelligence Agency (DC)	1
<input type="checkbox"/> A42	Defense Intelligence Agency (DS)	1
<input type="checkbox"/> A43	Defense Intelligence School	1
<input type="checkbox"/> A48	National War College	1
<input type="checkbox"/> A49	Industrial College of the Armed Forces	1
<input type="checkbox"/> A50	Armed Forces Staff College	1
<input type="checkbox"/> A51	National Military Command System Support Center	1
<input checked="" type="checkbox"/> A52*	Defense Documentation Center	2/12
<b>HEADQUARTERS, DEPARTMENT OF THE ARMY</b>		
<input type="checkbox"/> B1	Deputy Under Secretary of the Army (OR)	1
<input type="checkbox"/> B2	Assistant Secretary of the Army (FM)	1
<input type="checkbox"/> B3	Assistant Secretary of the Army (I&L)	1
<input checked="" type="checkbox"/> B4	Assistant Secretary of the Army (M&RA)	1
<input type="checkbox"/> B5	Assistant Secretary of the Army (R&D)	1
<input type="checkbox"/> B10	Director of Army Staff	4
<input type="checkbox"/> B12	Assistant Chief of Staff for Intelligence	2
<input checked="" type="checkbox"/> B14	Deputy Chief of Staff for Personnel	1
<input type="checkbox"/> B15	Deputy Chief of Staff for Operations and Plans	2
<input type="checkbox"/> B16	Deputy Chief of Staff for Logistics	1
<input type="checkbox"/> B17	Deputy Chief of Research, Development, and Acquisition	1
<input type="checkbox"/> B19	Comptroller of the Army	1
<input type="checkbox"/> B21	Chief Engineers	1
<input checked="" type="checkbox"/> B22	Office of the Surgeon General (MI)	1
<input type="checkbox"/> B23	Directorate of Military Support	1
<input type="checkbox"/> B24**	The Army Library (ASDIRS)	1

\* Required IAW AR 70-11 and AR 70-31. (12 copies for Open Literature cleared publications, and 2 copies for Limited Distribution publications.)

\*\* Normally required; exclusion must be justified by Sponsor (AR 1-28).



## GRC DISTRIBUTION LIST (continued)

1 January 1975

Address code	Agency	Number of copies
<input type="checkbox"/> C1	US ARMY TRAINING AND DOCTRINE COMMAND Hq, TRADOC	1
	<b>SCHOOLS</b>	
<input type="checkbox"/> C2	US Army Air Defense	1
<input type="checkbox"/> C3	US Army Armor	1
<input type="checkbox"/> C4	US Army Field Artillery	1
<input type="checkbox"/> C5	US Army Ordnance	1
<input type="checkbox"/> C6	US Army Engineer	1
<input type="checkbox"/> C7	US Army Infantry	2
<input type="checkbox"/> C8	US Army Intelligence	1
<input type="checkbox"/> C9	US Army Command and General Staff College	1
<input type="checkbox"/> C10	US Army Aviation	1
<input type="checkbox"/> C11	US Army Missile and Munitions	1
<input type="checkbox"/> C12	US Army Quartermaster	1
<input type="checkbox"/> C13	US Army Institute for Military Assistance	2
<input type="checkbox"/> C14	US Army Transportation	1
<input type="checkbox"/> C15	US Army Institute of Administration	1
<input type="checkbox"/> C16	US Army Signal (Ft Monmouth)	1
<input type="checkbox"/> C17	US Army Southeastern Signal (Ft Gordon)	1
<input type="checkbox"/> C18	USWAC	1
<input type="checkbox"/> C19	Defense Information	1
<input type="checkbox"/> C20	US Army Military Police	1
	<b>CENTERS</b>	
<input type="checkbox"/> C41	US Army Combined Arms Center	1
<input type="checkbox"/> C42	US Army Logistics Center	1
<input type="checkbox"/> C43	US Army Administration Center	1
	<b>MISCELLANEOUS ARMY SCHOOLS</b>	
<input checked="" type="checkbox"/> D1	US Army War College (Library)	1
<input type="checkbox"/> D2	US Army War College (SSISG)	1
<input type="checkbox"/> D3	USMA, West Point	1
<input type="checkbox"/> D4	US Army Academy of Health Sciences	1
	<b>US ARMY MATERIEL COMMAND</b>	
<input type="checkbox"/> E1	Hq, US Army Materiel Command	1
<input type="checkbox"/> E2	US Army Armament Command	1
<input type="checkbox"/> E3	US Army Electronics Command	1
<input type="checkbox"/> E4	US Army Missile Command	1
<input type="checkbox"/> E5	US Army Aviation Systems Command	1
<input type="checkbox"/> E6	US Army Troop Support Command	1
<input type="checkbox"/> E7	US Army Tank-Automotive Command	1
<input type="checkbox"/> E8	US Army Test and Evaluation Command	1
<input type="checkbox"/> E20	Deseret Test Center	1
<input type="checkbox"/> E21***	Defense Logistic Studies Information Exchange	2
<input type="checkbox"/> E22	US Army Foreign Science and Technology Center	1
<input type="checkbox"/> E32	Management Information Systems Directorate	1
<input type="checkbox"/> E34	US Army Materiel Systems Analysis Agency	1
<input type="checkbox"/> E35	US Army Major Item Data Agency	1
<input type="checkbox"/> E45	US Army Armor and Engineer Board	1
<input type="checkbox"/> E46	US Army Field Artillery Board	1
<input type="checkbox"/> E47	US Army Aviation Test Board	1
<input type="checkbox"/> E48	US Army Infantry Board	1
<input type="checkbox"/> E58	White Sands Missile Range	1
	<b>US ARMY FORCES COMMAND</b>	
<input type="checkbox"/> F1	Hq, FORSCOM	1
<input type="checkbox"/> F2	First US Army	1
<input type="checkbox"/> F3	Fifth US Army	1
<input type="checkbox"/> F4	Sixth US Army	1
<input type="checkbox"/> F5	Eighth US Army	1

\*\*\*Required IAW AR 5-7.



## GRC DISTRIBUTION LIST (continued)

1 January 1975

Address code	Agency	Number of copies
<b>UNIFIED COMMANDS</b>		
<input type="checkbox"/> G1	Commander in Chief, Alaska (CINCAL)	1
<input type="checkbox"/> G2	Commander in Chief, Pacific (CINCPAC)	1
<input type="checkbox"/> G3	Commander in Chief, Europe (CINCEUCOM)	1
<input type="checkbox"/> G4	Commander in Chief, US Readiness Command	1
<input type="checkbox"/> G5	Commander in Chief, Atlantic (CINCLANT)	1
<input type="checkbox"/> G6	Commander in Chief, Continental Air Defense Command (CINCONAD)	1
<input type="checkbox"/> G7	Commander in Chief, US Southern Command (USCINCSO)	1
<b>US ARMY COMMANDS/AGENCIES (CONUS)</b>		
<input type="checkbox"/> H1	US Army Air Defense Command	1
<input type="checkbox"/> H2	US Army Communications Command	1
<input type="checkbox"/> H3	US Army Computer Systems Command	1
<input checked="" type="checkbox"/> H4	US Army Recruiting Command	1
<input type="checkbox"/> H5	US Army Safeguard Command	1
<input type="checkbox"/> H6	US Army Health Services Command	1
<input type="checkbox"/> H7	US Army Intelligence Command	1
<input type="checkbox"/> H8	US Army Combat Developments Experimentation Command	1
<input type="checkbox"/> H15	US Army Security Agency	1
<input type="checkbox"/> H16	US Army Logistics Evaluation Agency	1
<input type="checkbox"/> H17	US Army Concepts Analysis Agency	1
<input type="checkbox"/> H18	US Army Management System Support Agency	1
<input type="checkbox"/> H19	US Army Operational Test and Evaluation Agency	1
<input type="checkbox"/> H20	US Army Missile Intelligence Agency	1
<input type="checkbox"/> H21	US Army Nuclear Agency	1
<input type="checkbox"/> H22	US Army C-E Engineering and Installation Agency	1
<input type="checkbox"/> H23	US Army Communication Systems Agency	1
<b>MISCELLANEOUS ARMY (CONUS)</b>		
<input type="checkbox"/> J1	US Army Intelligence Threat Analysis Detachment	1
<input type="checkbox"/> J2	Engineer Studies Group	1
<input type="checkbox"/> J3	US Army Research Institute	1
<input checked="" type="checkbox"/> J4	US Army Military Personnel Center	1
<b>US AIR FORCE</b>		
<input type="checkbox"/> K1	Hq, US Air Force (SAMI)	1
<input type="checkbox"/> K2	Hq, US Air Force Systems Command	1
<input type="checkbox"/> K3	Assistant Chief of Staff for Intelligence	1
<input type="checkbox"/> K4	Foreign Technology Division (AFSC)	1
<input checked="" type="checkbox"/> K5	Air University Library	1
<b>US NAVY</b>		
<input checked="" type="checkbox"/> L1	Chief of Naval Operations, OP-96	1
<input type="checkbox"/> L2	Chief of Naval Operations, OP03EG-CNO	1
<input type="checkbox"/> L3	Naval Intelligence Command	1
<input type="checkbox"/> L4	Naval Intelligence Support Center	1
<input checked="" type="checkbox"/> L5	Naval War College	1
<input checked="" type="checkbox"/> L6	Naval Postgraduate School	1
<b>US MARINE CORPS</b>		
<input type="checkbox"/> M1	Hq, US Marine Corps, G-2	1
<input type="checkbox"/> M2	Hq, US Marine Corps, G-3	1
<input type="checkbox"/> M3	Marine Corps Development and Education Command	1
<b>US GOVERNMENT AGENCIES</b>		
<input type="checkbox"/> N1	Director, Central Intelligence Agency	1
<input type="checkbox"/> N2	Central Intelligence Agency (Publications)	1
<input type="checkbox"/> N3	Central Intelligence Agency, Director for S&T	1

## GRC DISTRIBUTION LIST (continued)

1 January 1975

Address code	Agency	Number of copies
<input type="checkbox"/> N5	Director, Office of Science & Technology, Executive Office Bldg	1
<input type="checkbox"/> N6	Department of State, Foreign Affairs Research & Doc Center	1
<b>DEFENSE CONTRACTORS</b>		
<input checked="" type="checkbox"/> 01	Center for Naval Analyses	1
<input checked="" type="checkbox"/> 02	Human Resources Research Organization, Inc.	1
<input type="checkbox"/> 03	Institute for Defense Analyses	1
<input checked="" type="checkbox"/> 04	RAND Corporation	1
<input type="checkbox"/> 05	American Institute for Research	1
<input type="checkbox"/> 06	Stanford Research Institute	1

## Also:

US Air Force Human Resources Laboratory	1
Navy Recruiting Command	1